

ROBOT GAMES

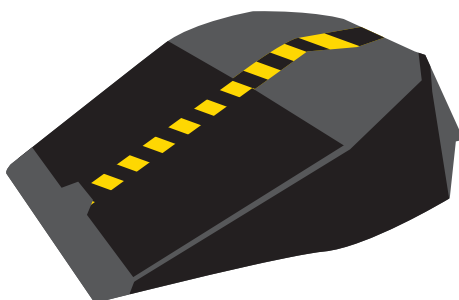
BEFORE YOU WATCH

A Answer your teacher's questions about the photo.



B Check (✓) the subjects you need to study to build robots.

- | | |
|---|---|
| <input type="checkbox"/> art | <input type="checkbox"/> music |
| <input type="checkbox"/> engineering | <input type="checkbox"/> physical education |
| <input type="checkbox"/> foreign language | <input type="checkbox"/> science |
| <input type="checkbox"/> mathematics | <input type="checkbox"/> technology |



WHILE YOU WATCH

A Circle the correct answers.

1. Each (**summer** / **spring**), high school students from around the world gather in St. Louis, U.S.A., for the FIRST Robotics Competition.
2. Before the competition, teams of students spend (**3** / **6**) weeks designing and (**building** / **training**) their robots to perform specific tasks.
3. The event is very (**popular** / **rare**) and thousands of people enjoy watching the competition and supporting their favorite team.
4. The robots' tasks involve things like (**throwing** / **juggling**) balls and carrying objects, but every year the events are changed to create a new challenge.

B Complete the notes using the words you hear.

- FIRST stands for "For Inspiration and Recognition of 1. _____ and Technology."
- competitions began in 2. _____
- started by Dean Kamen, famous inventor of Segway 3. _____
- brings excitement of 4. _____ to science and technology



AFTER YOU WATCH

A Match the beginning of the sentences with the ends.

- | | | | |
|--|-----------------------|-----------------------|--|
| 1. The competition does more than just | <input type="radio"/> | <input type="radio"/> | a. their ability to work together as a team. |
| 2. And for many students, it's not only robots that they build, but also | <input type="radio"/> | <input type="radio"/> | b. lifelong friendships. |
| 3. It also helps the students improve their confidence and | <input type="radio"/> | <input type="radio"/> | c. teach students about engineering. |

B Match the underlined words to their meanings.

- _____ 1. Each team is helped by an adult who guides the students and teaches them about robotics.
- _____ 2. It was started in 1989 by inventor Dean Kamen, who's famous for creating the Segway scooter.
- _____ 3. The event is very popular and thousands of people enjoy watching the competition and supporting their favorite team.
- _____ 4. The robots' tasks involve things like throwing balls and carrying objects, but every year the events are changed to create a new challenge.
- a. a person who makes something new—e.g., a machine or way of doing things
b. sitting and watching people play something, hoping they will win
c. something that is difficult, something that tests your abilities
d. showing the way, advising or leading others

C Complete the sentences using the correct form of the words in the box. One word will be used twice.

be build go take

- Do you love 1. _____ things apart? Do you like
2. _____ new things? Then you will really enjoy
3. _____ on a robotics team. Teams work together on
4. _____ robots. Then they go to competitions.
5. _____ to competitions can be really fun.

- D** **Design a robot for a specific task.** Draw your robot in the box.
Explain how it works to a partner.



My robot throws balls. It's arm moves like this . . .

LIFE ROLLS ON

BEFORE YOU WATCH

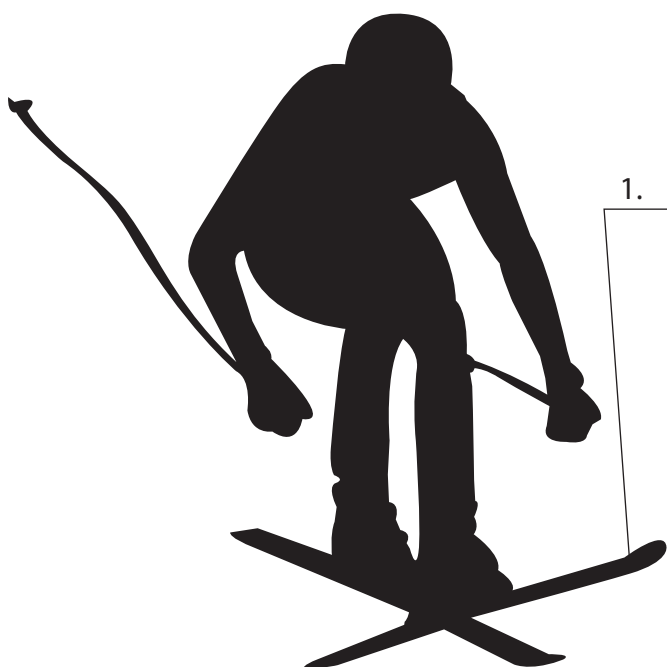
A Label the pictures using words from the box.

skateboard skis surfboard wheelchair

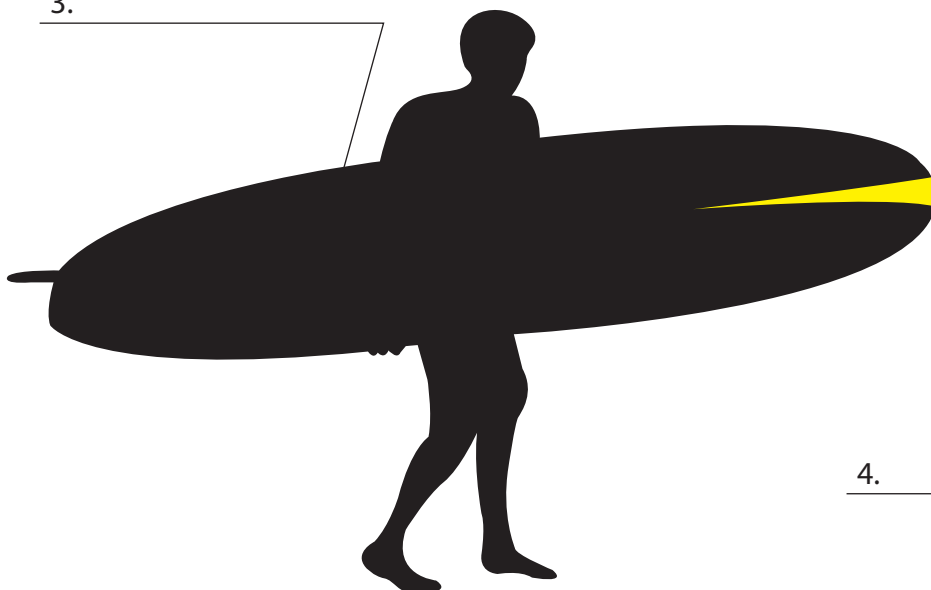


1.

2.



3.



4.



WHILE YOU WATCH

A Check your answers above to Before You Watch B.

B Write the ages of the people from the video.



AFTER YOU WATCH

A Complete the chart.

Name of organization:	Life 1. _____
Main purpose:	to help people with 2. _____ participate in 3. _____
Has existed for more than:	4. _____ years
Also educates people about:	spinal cord 5. _____

B Complete the sentences using the correct form of verbs in the parentheses.

1. I _____ (**surf**) since I was a kid.
2. She _____ (**never / surf**).
3. He _____ (**come**) to these events since he was eight.
4. Life Rolls On _____ (**inspire**) people for more than ten years.

C Match the underlined words to their meanings.

- _____ 1. Life Rolls On also holds educational events to raise awareness of spinal cord injury, and get people to support those who suffered injuries like these.
- _____ 2. It's a special organization that wants to show people that they shouldn't let their disabilities stop them from doing what they want.
- _____ 3. The organization has been inspiring people for more than 10 years, and continues to make a meaningful impact in the lives of many.
- _____ 4. "It's awesome that these people organize such events to push the limits, and I'm pretty stoked about it."
- _____ 5. "It's awesome that these people organize such events to push the limits, and I'm pretty stoked about it."

- a. a certain physical condition, such as not being able to use your hands or legs
- b. to try and perform better than what is normally possible
- c. to help people know about a situation
- d. to be very excited about something
- e. an important change

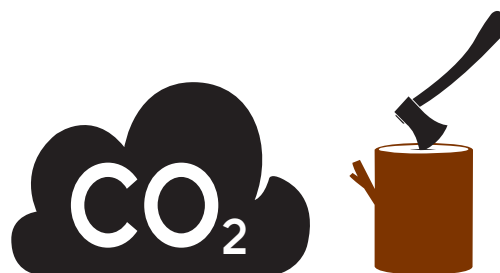
D Work with a partner. Discuss the questions below.

1. Are there ways for disabled people to play or watch sports (live—not on TV) in your community?
2. Are sports buildings or fields in your community "wheel-chair accessible" (can a wheelchair enter and move about easily)?
3. Are there things your city could do to make it easier for disabled people to enjoy watching or playing sports?

ECO-FUEL AFRICA

BEFORE YOU WATCH

- A** **Guess.** In Uganda, what are some of the problems of using wood as fuel? Write down three things. Use the photos on this page to help you.



1. _____

2. _____

3. _____

- B** **Guess.** Look at the photo below. Circle the correct answers.

Sanga Moses is a National Geographic Explorer. He noticed a problem in his hometown in Uganda. Many children were missing school because they 1. (**had to work** / **were sick**).

He knew they spent a lot of time 2. (**looking for firewood** / **breathing in smoke**).

He wanted to find 3. (**a way to clean the air** / **another source of fuel**).

He 4. (**was able** / **is still trying**) to find a solution.



WHILE YOU WATCH

A Check your answers to Before you watch B.

B Look at the photos. Then match the captions to the correct photos.

- a. A lot of them can't go to school because they don't have the time.
- b. We work with many farmers and women.
- c. About 105,000 families are already using this fuel on a daily basis in Uganda.
- d. By bringing clean cooking fuel to people, we are saving forests, stopping air pollution, and helping farmers and women earn money for their families.



AFTER YOU WATCH

A Label the parts of Sanga Moses' talk.

The problem What Sanga did The result Sanga's advice

1. _____ : Follow your heart. It's amazing what can happen if you believe in your dreams and act upon them.
2. _____ : Kids in Uganda spend a lot of time carrying wood because their families need it for cooking. A lot of them can't go to school because they don't have the time.
3. _____ : About 105,000 families are already using this fuel on a daily basis in Uganda. And in the next ten years, we want to reach 16 million families.
4. _____ : I thought about what I could do, and decided to quit my job . . . I asked a university professor for some advice on what I should do about my idea. I managed to get some help from his students. Slowly, we found a way to create clean cooking fuel using farm waste like corn waste.

B Put the words in order to make a sentence.

1. You / should / other sources of fuel. / think of

2. quit / You / your job. / could

3. would / I / I / were / follow my heart. / If / you,

4. tried / Have / electric burners? / you

5. try / Why / you / using / corn waste? / don't

C Circle the correct meanings of the underlined words.

"A lot of them can't go to school because they don't have the time. This inspired me to think about an alternative source of fuel."

1. inspired
 - a. made Sanga feel very upset
 - b. made Sanga want to do something
2. alternative
 - a. another, different
 - b. a larger amount

"I managed to get some help from his students."

3. managed
 - a. Sanga was able to do something.
 - b. Sanga was in charge of others.

"Slowly, we found a way to create clean cooking fuel using farm waste like corn waste."

4. waste
 - a. farm products that are of low quality
 - b. parts of a farm product that can't be used

"Now, I am the CEO of Eco-Fuel Africa."

5. Eco
 - a. less expensive
 - b. good for the earth

D Write about Sanga's problem and solution in your own words.

PROBLEM	SOLUTION
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 45%;"></div> <div style="width: 45%;"></div> </div>	

ANIMAL PORTRAITS

BEFORE YOU WATCH

A Answer your teacher's questions about the photo below.



B Decide if the sentences are about helping or hurting animals. Write *help* or *hurt*.

1. Animal habitats are destroyed. _____
2. People learn more about animals. _____
3. Some animal species become extinct. _____
4. Animals are kept at zoos and aquariums. _____

WHILE YOU WATCH

A Complete the sentences using the numbers you hear.

1. For more than _____ years, he has been a photographer for National Geographic Magazine.
2. He has worked on _____ photo essays so far.
3. The Photo Ark was started out of the need to protect animals from extinction.
It's a _____-year project to take studio photos of the world's many species.
4. He's been doing it for more than _____ years ...
5. ... and has photographs of around _____ different species.

B Match the main ideas to the sentences.

- | | | |
|----------------------|----------------------|-----------------|
| a. length of project | b. purpose | c. how it helps |
| d. future plans | e. what Sartore does | |

- ____ 1. The Photo Ark was started out of the need to protect animals from extinction.
- ____ 2. It's a 20-year project ...
- ____ 3. The places he visits help to educate people about animals and the problems they face.
- ____ 4. He mostly photographs animals that are kept at the world's zoos and aquariums.
- ____ 5. Sartore says he's likely to continue this project for a long time.

AFTER YOU WATCH

A Match the words to their meanings.

- | | | | |
|-----------------|-----------------------|-----------------------|--|
| 1. habitat | <input type="radio"/> | <input type="radio"/> | a. taking care of the Earth, using less resources like water and electricity |
| 2. species | <input type="radio"/> | <input type="radio"/> | b. a building where people go to see fish or other sea animals |
| 3. aquarium | <input type="radio"/> | <input type="radio"/> | c. when no more of a certain kind of plant or animal is alive |
| 4. extinction | <input type="radio"/> | <input type="radio"/> | d. the place where someone or something lives |
| 5. conservation | <input type="radio"/> | <input type="radio"/> | e. a group of living things that consists of similar individuals |

B Complete the sentences using words from the box.

are kept are saved are killed have been photographed is destroyed

Joel Sartore thinks people need to do more to help animals. More habitat

1. _____ each year. Also, many animal species
2. _____.

For the Photo Ark project, 5,000 species 3. _____. These animals

4. _____ at zoos and aquariums. The truth is that when animal species
5. _____, we're actually saving ourselves and our own environment.

C Work with a partner. Read the quote from the video and answer the questions.

"They say that people will only save what they love. And they certainly can't love something if they don't know about it."

1. What does this quote mean?
2. What kind of animals do you love?
3. How can you help protect your favorite animals?
4. Which animal would you like to learn more about?

[illegible]

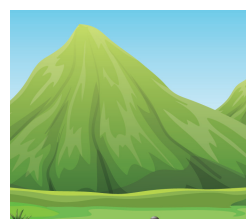
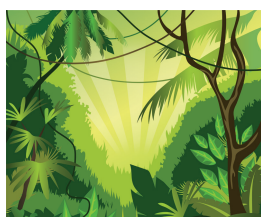
I really love cats. I could volunteer at a rescue shelter. I'd like to learn more about . . .

MOUNTAIN RIVER CAVE

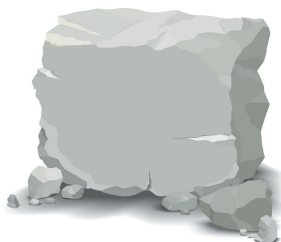
BEFORE YOU WATCH

A Label the photos using words from the box.

cave jungle mountain river limestone



1. _____ 2. _____ 3. _____



4. _____ 5. _____

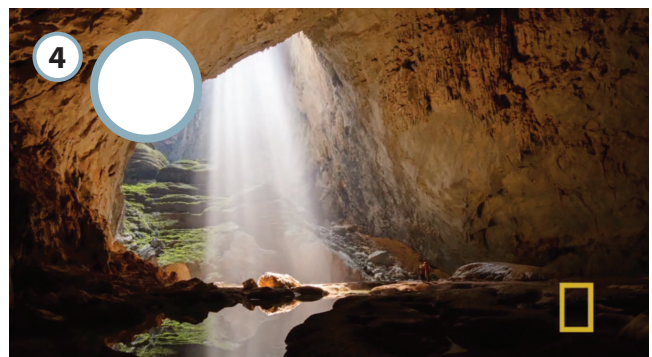
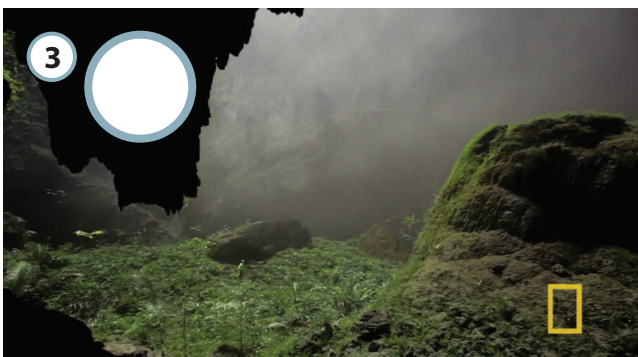
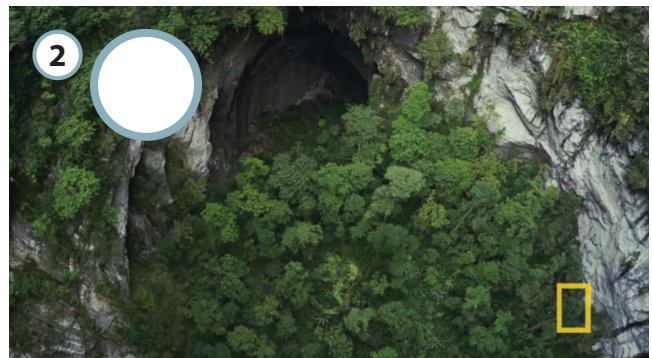
B What do you know about caves? Circle your answer.

- Caves are formed when _____.
 - wind eats away rock
 - rainwater drips down the cracks in a rock
- People who like to explore caves are called _____.
 - cavers
 - excavators
- _____ plants or animals can live in caves.
 - No
 - Some
- Hang Son Doong is the world's _____ cave.
 - largest
 - oldest
- People have been exploring Hang Son Doong since _____.
 - 1909
 - 2009

WHILE YOU WATCH

A Look at the photos. Then match the captions to the correct photos.

- a. The video was made by using a flying remote-controlled camera which can go up into the highest areas of the cave and look down on below.
- b. The video shows the magical scenery of the cave.
- c. Misty clouds are formed by humidity as it rises into cool air.
- d. Entire jungles stretch across the cave floor and 300-million-year-old fossils have been found.



- B Answer the questions.** If the answer is not given, leave the line blank and check "Not given."

	Answer	Not given
1. In which country is the cave located?	_____	<input type="checkbox"/>
2. How big is the cave?	_____	<input type="checkbox"/>
3. Who took the video?	_____	<input type="checkbox"/>
4. How many people were on Deboodt's team?	_____	<input type="checkbox"/>
5. Is the cave open to the public?	_____	<input type="checkbox"/>

AFTER YOU WATCH

- A Match the numbers to their meaning in the video.**

- | | | | |
|---------|-----------------------|-----------------------|---|
| 1. 8 | <input type="radio"/> | <input type="radio"/> | a. the year Ryan Deboodt visited the cave |
| 2. 300 | <input type="radio"/> | <input type="radio"/> | b. the year British cavers explored the cave |
| 3. 2009 | <input type="radio"/> | <input type="radio"/> | c. number of the fossils (in millions of years) found in the cave |
| 4. 2013 | <input type="radio"/> | <input type="radio"/> | d. the year the cave became open to the public |
| 5. 2014 | <input type="radio"/> | <input type="radio"/> | e. number of days Ryan Deboodt spent in the cave |

- B Circle the best paraphrase for each sentence.**

- "The cave was created by a river which has eaten away the limestone of Vietnam's Annamite Mountains."
 - The force of a river slowly cut into the rock and made the cave.
 - The limestone in the river attached together and formed a cave.
- "The video was made by using a flying remote-controlled camera which can go up into the highest areas of the cave and look down on below."
 - Deboodt was able to control the camera from the ground.
 - Deboodt had a camera attached to his plane. He flew the plane inside the cave.
- "When Deboodt released his video, it quickly went viral on the Internet."
 - After Deboodt put his video online, many people watched it.
 - After watching the video, many people shared their own videos of the cave.
- "People couldn't believe that a place like this could stay hidden for so long."
 - People had tried to keep the place a secret for a long time.
 - People were surprised no one had discovered the cave earlier.

5. "The video shows the magical scenery of the cave."
 - a. The video shows how strange things happen in a cave.
 - b. The video shows how beautiful the natural landscape is.

C Complete the sentences using the correct forms of words in the parentheses.

Watch the video again to check your answers..

1. "The cave _____ (**create**) by a river which has eaten away the limestone of Vietnam's Annamite Mountains."
2. "Since it _____ (**explore**) by British cavers in 2009, very few people have been inside this incredible place."
3. "This amazing video _____ (**take**) by Ryan Deboodt who visited the cave in 2014."
4. "The video _____ (**make**) by using a flying remote-controlled camera . . ."
5. "Misty clouds _____ (**form**) by humidity as it rise into cool air."

D Work in small groups. Discuss the following situation.

Your group is going to explore Hang Son Doong for 8 days. What things does everyone need to pack and which things do only some people need to pack? Write **E** for everyone or **S** for some people.

<input type="checkbox"/> Food _____	<input type="checkbox"/> Compass _____	<input type="checkbox"/> Batteries _____
<input type="checkbox"/> Stove, dishes, forks, knives, spoons _____	<input type="checkbox"/> GPS _____	<input type="checkbox"/> First aid kit _____
<input type="checkbox"/> Water bottle _____	<input type="checkbox"/> Rope _____	<input type="checkbox"/> Sunscreen _____
<input type="checkbox"/> Water filter _____	<input type="checkbox"/> Shovel _____	<input type="checkbox"/> Sunglasses _____
<input type="checkbox"/> Tent _____	<input type="checkbox"/> Matches _____	<input type="checkbox"/> Warm clothing _____
<input type="checkbox"/> Map _____	<input type="checkbox"/> Knife _____	<input type="checkbox"/> Hiking boots _____
<input type="checkbox"/> Sleeping bag _____	<input type="checkbox"/> Flash light _____	<input type="checkbox"/> Other: _____
	<input type="checkbox"/> Camera _____	_____

SAVING OUR **REEFS**

BEFORE YOU WATCH

A Match the words to their meanings.

- | | | | |
|---------------------|-----------------------|-----------------------|--|
| 1. polyps | <input type="radio"/> | <input type="radio"/> | a. place where many sea creatures live |
| 2. coral reefs | <input type="radio"/> | <input type="radio"/> | b. a person who studies life in the ocean |
| 3. climate change | <input type="radio"/> | <input type="radio"/> | c. tiny, soft-bodied organisms |
| 4. algae | <input type="radio"/> | <input type="radio"/> | d. plant-like organisms that usually grow in water |
| 5. marine biologist | <input type="radio"/> | <input type="radio"/> | e. long-term change in the Earth's weather |

B Read the excerpt from the video. Why do you think coral reefs are disappearing?

"Here, at the Heron Island Research Station, marine biologist Ove Hoegh-Guldberg is studying coral reefs. Like the rest of the planet, our oceans are in trouble. Hoegh-Guldberg has been studying the effect of climate change on coral reefs. His conclusion is that coral reefs are disappearing."



WHILE YOU WATCH

A Complete the sentences using the words you hear.

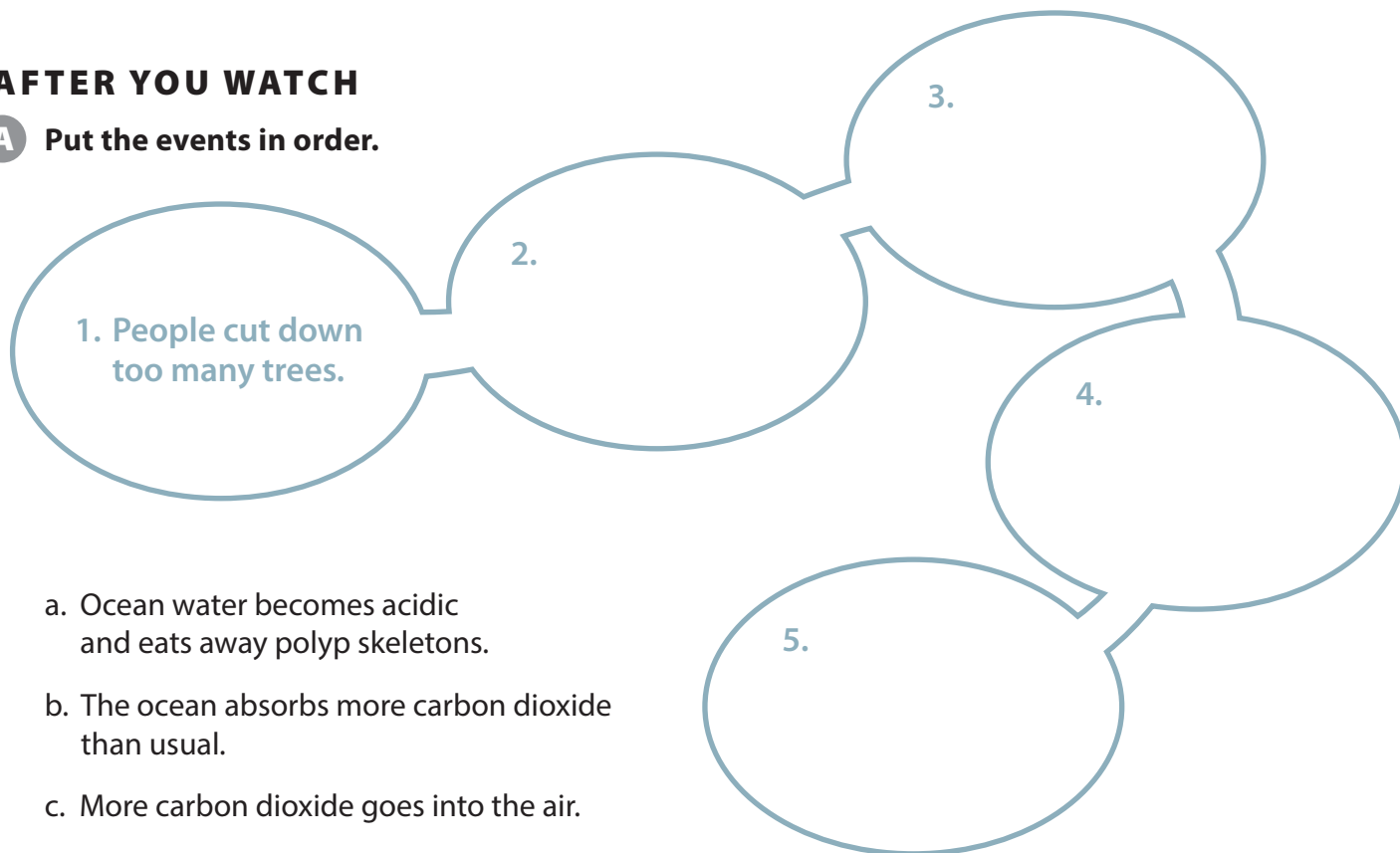
1. "The fact they are disappearing should be a _____ to us all about the negative effects climate change can have on our planet."
2. "Above _____ degrees Celsius, the reef begins to die."
3. "There's another great _____ to the reefs' survival—the increasing amount of carbon dioxide in ocean waters."
4. "So by changing our oceans, we are actually causing many species to be at risk of going _____."

B Check (✓) the things that are causing coral reefs to die.

- ☐ increased amount of carbon dioxide in ocean water
- ☐ lack of carbon dioxide in ocean waters
- ☐ increased amount of acidity in the ocean water
- ☐ rise in water temperatures

AFTER YOU WATCH

A Put the events in order.



- Ocean water becomes acidic and eats away polyp skeletons.
- The ocean absorbs more carbon dioxide than usual.
- More carbon dioxide goes into the air.
- Marine plants and animals lose their homes.
- People cut down too many trees.

B Complete the sentences using words from the box.

bleaching event carbon dioxide coral reefs polyp

- The skeletons of thousands of tiny polyps form _____.
- When ocean water gets too warm and the reef begins to die, it is called a _____.
- _____ is a type of gas that can make ocean water acidic.
- A _____ is a tiny sea creature.

C Rewrite the sentences. Use *which* or *who*. Two answers are possible.

1. Ove Hoegh-Guldberg is a marine biologist. He is studying coral reefs.

2. Coral reefs are a beautiful part of the Earth. They are disappearing.

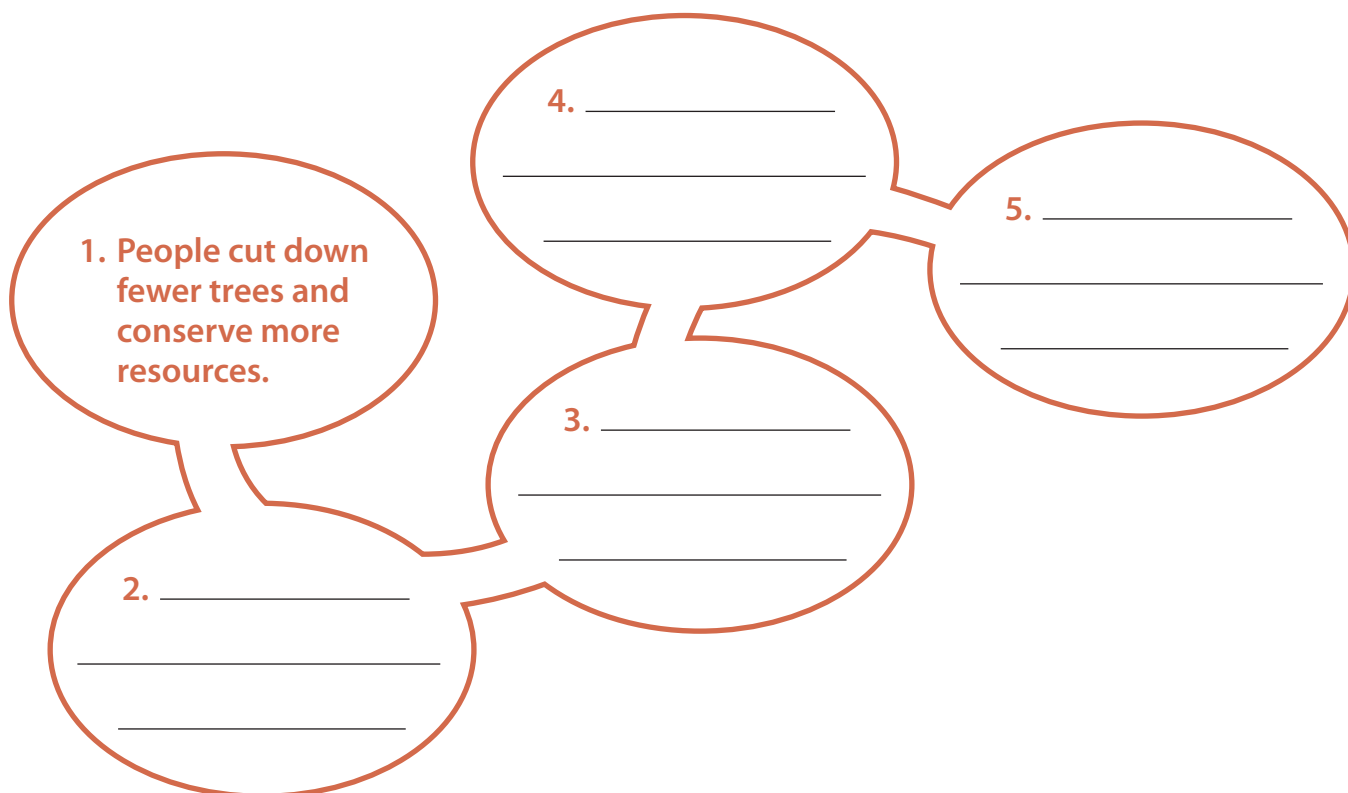
3. Tiny polyps make up coral reefs. Tiny polyps are covered in an outer skeleton.

4. Carbon dioxide is a type of gas. It is absorbed by oceans.

5. Marine plants and animals live in this part of the coral reef. They have now lost their homes.

D How do you think we can reverse the effects of climate change?

See the chain of events in **After You Watch A** and write opposite events below.



TUTANKHAMUN

BEFORE YOU WATCH

- A** Read the sentences and guess the missing words. Use the clues in parentheses to help you.

"King Tutankhamun is a symbol of the ancient Egyptian civilization. Tut was just 7 years old when he became 1. _____.
(kind of ruler)

To his people he was half man, half

2. _____. But until his
(a supreme being)
discovery in 1922, Tut was unknown. There is

almost no record of his life anywhere in 3. _____ except on the walls
(name of country)
of his 4. _____. Somehow his life ended suddenly when
(a place of burial)
he was just 18. No one knows exactly 5. _____.
(question word)



- B** Guess. Write the answers.

When they were investigating King Tut's death, scientists found the following:

- evidence of many sharp injuries
- hunting equipment in King Tut's tomb

1. Based on the evidence, how do you think King Tut died? Write at least two theories.

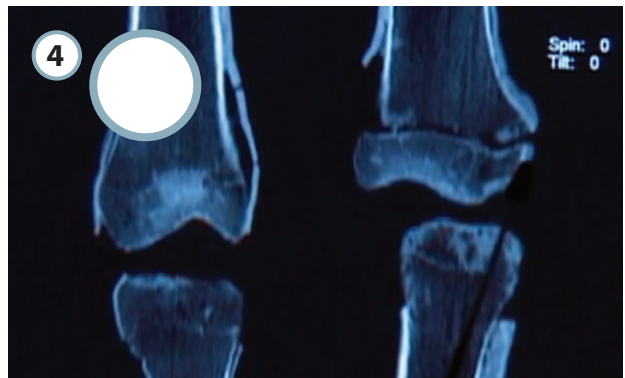
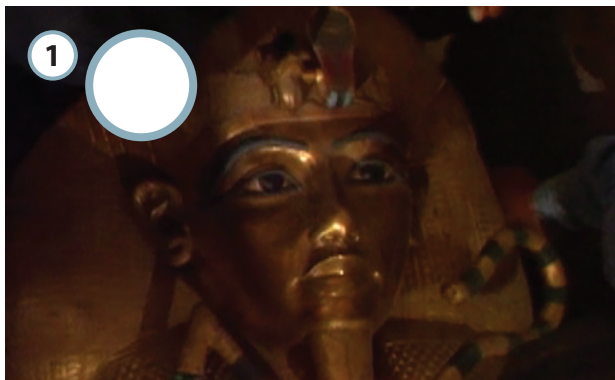
2. How do you think scientists tried to find out the real cause of King Tut's death?

WHILE YOU WATCH

A Check your answers to Before You Watch A.

B Look at the photos. Then match the captions to the correct photos. One caption is extra.

- a. "Tut was just 9 years old when he became king."
- b. "No one knows exactly why."
- c. "One image shows some interesting evidence."
- d. "The scanning machine has been shut down and Tut returns to his coffin, safe once more."
- e. "3,000 years after he died, the story of the boy pharaoh lives on."



AFTER YOU WATCH

A Decide if the statements are theories or facts. Write **T** for theory and **F** for fact.

1. There were hunting instruments in Tut's tomb. ____
2. Some scientists believe Tut was murdered. ____
3. Tut may have died in a hunting accident. ____
4. Tutankhamun might have died in a war. ____
5. Tut's body had many sharp injuries. ____
6. One of Tut's legs was broken. ____

B Circle the correct answer.

1. Scientists think King Tutankhamun (**could have died** / **must have died**) in a war.
2. He (**couldn't have died** / **must have died**) from natural causes. There's too much evidence that he was badly injured.
3. Scientists think the sharp injuries (**couldn't have been** / **might have been**) from a weapon.
4. Still, scientists (**can't be** / **must be**) sure about Tut's death. They want to find more information.

C Match the words with their explanations.

- | | | | |
|------------|-----------------------|-----------------------|---|
| 1. war | <input type="radio"/> | <input type="radio"/> | a. a situation in which people or groups fight against each other |
| 2. clues | <input type="radio"/> | <input type="radio"/> | b. the part of a tomb where the body lies |
| 3. coffin | <input type="radio"/> | <input type="radio"/> | c. evidence to help you solve something |
| 4. experts | <input type="radio"/> | <input type="radio"/> | d. a situation in which no one knows why something has happened |
| 5. mystery | <input type="radio"/> | <input type="radio"/> | e. scientists or other highly-trained people in a specific field of study |

D Solve the mystery! Choose one of the theories about Tut's death and write a short story about the day he died. Include what happened and the reasons why it happened (e.g., someone else wanted to be king, it was just an accident).

[illegible]

GREEN MUSEUM

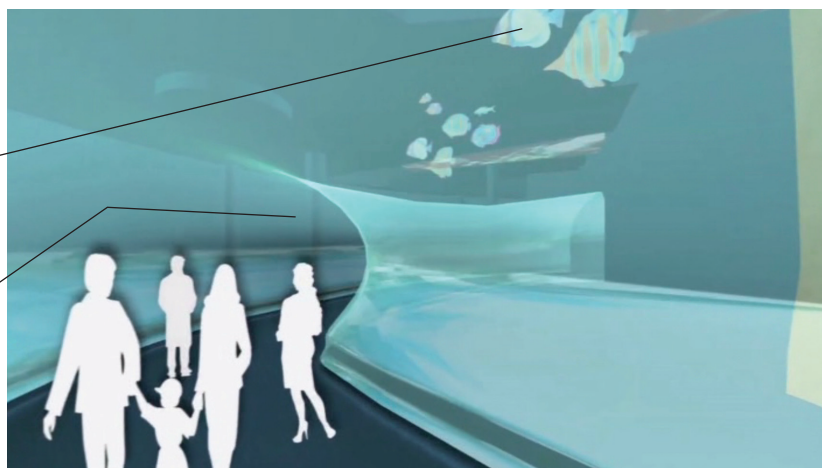
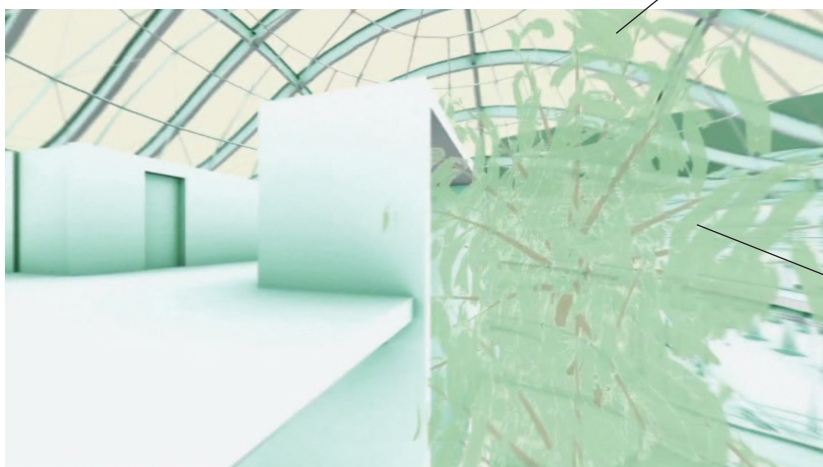
BEFORE YOU WATCH

A Look at the title of the video and the photos below. Guess what the video is going to be about. Circle the correct answer.

- a. a museum with green-colored walls and objects
- b. a museum that has live plants and animals
- c. ways a museum stays environmentally-friendly

B Label the photos using words from the box.

dome tunnel canopy aquarium



WHILE YOU WATCH

- A** The aquarium will contain many different types of animals. Circle all the animals that are mentioned.

stingray

dolphin

dugong

fish

whale

turtle

coral

shark

- B** Circle the correct answers.

1. The California Academy of Sciences is in _____.
 - a. San Francisco
 - b. Los Angeles
2. It is the world's _____ green museum.
 - a. first
 - b. largest
3. What does Chris Andrews say about the rain forest exhibit?
 - a. It'll smell and feel like a real rain forest.
 - b. It'll be as good as replacing nature.
4. The water for the aquarium comes from _____.
 - a. Pacific Ocean
 - b. Sacramento River

AFTER YOU WATCH

A Circle the correct word(s).

The California Academy of Sciences is 1. (**the biggest** / **bigger**) green museum in the world. Its dome is 2. (**too tall** / **tall enough**) for large trees to grow inside. Visitors might think it's 3. (**as hot and humid as** / **too hot and humid**). But that is to make it 4. (**as real as** / **more real**) possible. It also has an aquarium with 5. (**too deep** / **the deepest**) salt-water tank. Diego, the turtle, is 6. (**happier** / **as happy as**) in his new tank than he was before.

B Complete the sentences using words from the box.

tank exhibit elevator bathtubs

1. The rain forest _____ is like nothing else in the world.
2. Visitors ride a glass _____ all the way down to a tunnel under the forest.
3. After several hours, the coral reef _____ is finally filled.
4. You could fill 5,000 _____ with all the water in the tank.

C Read Chris Andrew's statement and answer the questions with a partner.

"Without a doubt, creating a living rain forest, inside a building, in San Francisco, is a challenge."

How do you think building a green museum was challenging? How does being "inside a building" and being in a big city like San Francisco make it more difficult?

It must have been very difficult to make a forest inside a building. They had to make it deep enough to fit tree roots and tall enough for the trees to grow.

- D Work in a group.** Imagine you want to create a green museum. Draw a plan for your museum. Label all the important features.



WALK OF FAME

BEFORE YOU WATCH

A **Guess.** Look at the photo. Circle the correct answers.



The Hollywood Walk of Fame is a very special 1. (**sidewalk** / **crossing**) that goes for 15 blocks on Hollywood Boulevard. It has around 2. (**200** / **2,500**) stars set in concrete. The stars represent famous people in the 3. (**entertainment** / **film**) industry.

B **Guess.** Look at the photo. Circle the correct answers.



The TCL Chinese Theatre is a very fancy 1. (**drama** / **movie**) theatre. Outside there the entrance are 2. (**concrete** / **clay**) blocks with the handprints, footprints, and 3. (**photographs** / **signatures**) of around 200 famous celebrities.



WHILE YOU WATCH

A Check (✓) whether the boy or the girl says the statements below.

	girl	boy
1. "Hollywood! I'd love to go there one day. You've been there, haven't you?"	<input type="checkbox"/>	<input type="checkbox"/>
2. "Each one has the name of someone who has been successful in the entertainment industry."	<input type="checkbox"/>	<input type="checkbox"/>
3. "Yeah, it is. There are more than 2,500 stars there. The first ones were placed in 1960."	<input type="checkbox"/>	<input type="checkbox"/>
4. "Oh look! There's the cast of the Harry Potter movies. They look very young there, don't they?"	<input type="checkbox"/>	<input type="checkbox"/>
5. "No, I didn't actually. Did you know that in 1968, the TCL Chinese Theatre was the first . . ."	<input type="checkbox"/>	<input type="checkbox"/>

B Circle the correct answers.

- Whose name did we see on a star in the video?
 - Harrison Ford's
 - Mickey Mouse's
- Where do we see most of the celebrities in the video?
 - walking down the Hollywood Walk of Fame
 - outside the TCL Chinese Theatre
- Does the boy agree with the girl about the Harry Potter movies?
 - Yes, he says the ending of the last movie was predictable.
 - No, he says he loved all the Harry Potter movies.
- Why does the girl say "sorry" at the end of the video?
 - because she wasn't listening to the boy
 - because she didn't like the boy's favorite movie

AFTER YOU WATCH

A Read the girl's and the boy's opinions. Decide whether they like the movies or dislike them. Write **L** for like or **D** for dislike.

1. ____ "I thought the first [Harry Potter] movie was brilliant . . ."
2. ____ "... but the others were a bit overrated."
3. ____ "And I thought the ending of the last movie was really disappointing."
4. ____ "Yeah it was a bit predictable . . ."
5. ____ "Oh look! Jackie Chan! I love his movies!"

B Complete the tag questions.

1. "You've been there, _____?"
2. "That's Harrison Ford's star, _____?"
3. "They look very young there, _____?"
4. "It was a bit predictable, _____?"
5. "You're more interested in celebrities than history, _____?"

C Complete the sentences using words from the box.

fame predictable overrated celebrity

1. In my opinion, he's a hugely _____ actor.
2. She became a _____ as soon as her movie released.
3. The ending of the movie was really _____.
4. He moved to Los Angeles in search of _____.

D Look at the names of stars who have been added to the TCL Chinese Theatre since 2010. Which names are you familiar with? What movies are they in? How did you like these movies?

Jerry Bruckheimer

Cher

Robert Duvall

Helen Mirren

Peter O'Toole

Jennifer Aniston

Mickey Rourke

Kristen Stewart

Taylor Lautner

Robert Pattinson

Russ Tamblyn

George Chakiris

Rita Moreno

Michael Jackson

Kim Novak

Lee Byung-hun

Ahn Sung-ki

Christopher Nolan

Robert De Niro

Jane Fonda

Jackie Chan

Jerry Maren

Sandra Bullock

Reng Xiaogang

Emma Thompson

John Goodman

Ben Stiller

Jerry Lewis

Melissa McCarthy

Mel Brooks

Peter Cullen

Gena Rowlands

Ethan Hawke

Vince Vaughn

Christopher Plummer

Vin Diesel

Dwayne Johnson

Justin Lin

Zhao Wei

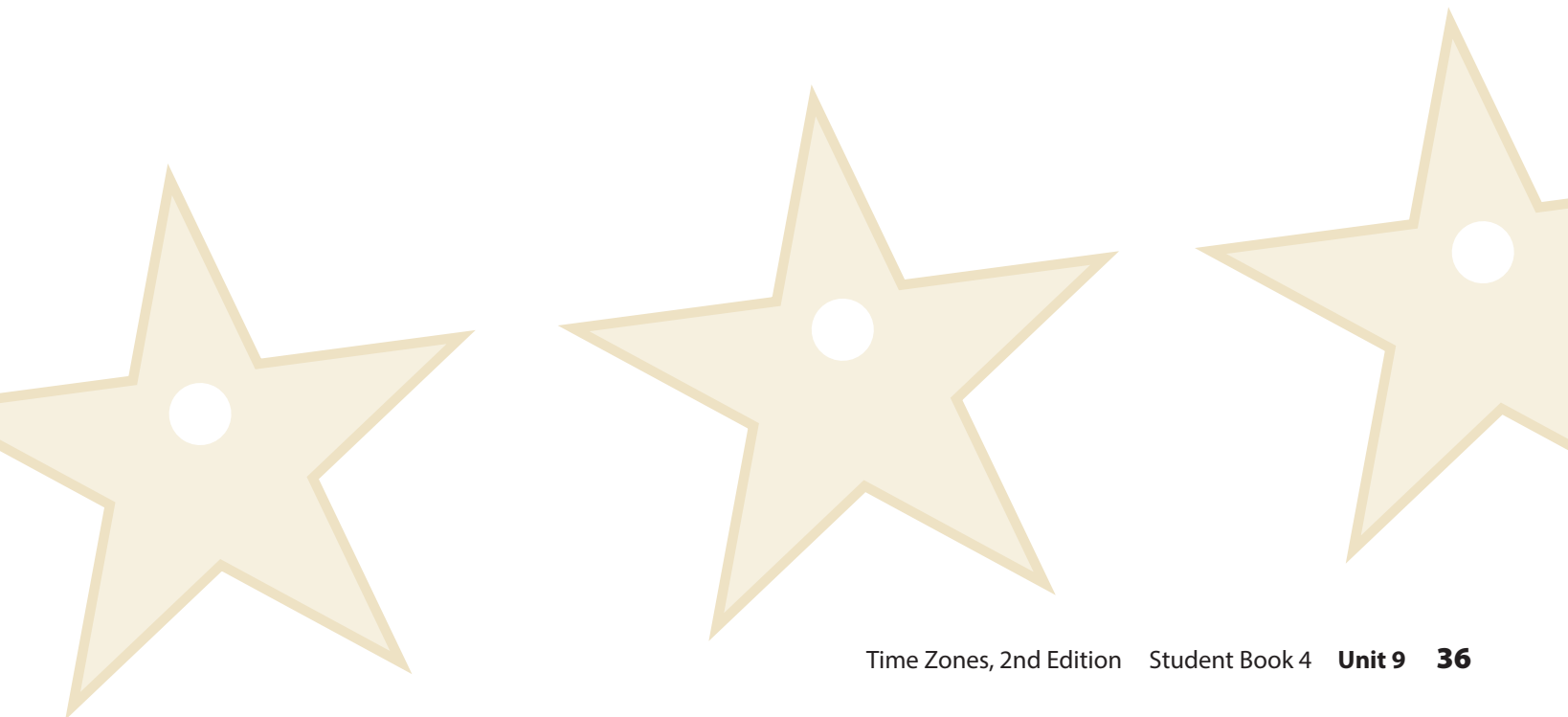
Huang Xiaoming

Katy Perry

Jennifer Lawrence

Josh Hutcherson

Liam Hemsworth



ROBOBEES

BEFORE YOU WATCH

- A Draw a picture.** When you hear the word “robot,” what comes to your mind?



B Guess. Robobee is the name of a robot. Answer the following questions about a RoboBee.

1. What do you think it looks like?
2. How big do you think it is?
3. What do you think its purpose is?

WHILE YOU WATCH

A Check (✓) the activities that you see people doing.

- | | |
|--|--|
| <input type="checkbox"/> testing robots | <input type="checkbox"/> working in a laboratory |
| <input type="checkbox"/> using a computer | <input type="checkbox"/> walking outside near bees |
| <input type="checkbox"/> working together | <input type="checkbox"/> displaying robots at a show |
| <input type="checkbox"/> taking a robot outside to fly | <input type="checkbox"/> building small robots |

B Complete the sentences using the words you hear.

1. "I like to observe insects like bees. They are _____, but efficient."
2. "We are making robots the size of insects, and robots made from completely soft materials.
We get _____ from nature."
3. "Bees can't do much on their own. But when they work in _____,
they can do so much more."
4. My team wants to build robots that behave in the same way, and that will eventually make
a big _____ to all our lives.

AFTER YOU WATCH

A Match the sentences that go together.

- ____ 1. We face many challenges while building the robots
- ____ 2. Bees can't do much on their own.
- ____ 3. Many of our designs don't work.
- a. But when they work in groups, they can do so much more.
- b. We can't find robot parts in the shops, so we have to build everything ourselves.
- c. We build and test the robots over and over again. But every time we fail, we're able to learn something new and improve our designs.

B Circle the correct inference or meaning of the sentences.

- 1. I like to observe insects like bees.
 - a. Robert Wood likes to watch bees to see what they do.
 - b. Robert Wood likes to catch insects and bring them to his lab.
- 2. They [bees] are small, but efficient.
 - a. Because of their size, bees are not able to travel very far.
 - b. Their size may be small, but bees work hard and move quickly.
- 3. My team is making robots that are smaller, cheaper, and faster than traditional robots.
 - a. Traditional robots work longer and are more popular than Wood's robots.
 - b. Traditional robots are bigger, slower and more expensive than Wood's robots.
- 4. We believe that 20 years in the future, robots like these can help us do dangerous tasks such as search-and-rescue operations.
 - a. It would be better for robots to do dangerous tasks than humans.
 - b. Robots will soon be able to do all the things that humans can do.
- 5. Bees can't do much on their own.
 - a. Bees like to work by themselves
 - b. One bee cannot do very much by itself.

C Complete the sentences using verbs from the box. One verb will be used twice.

could could be were wishes

1. If your robot _____ go anywhere, where would you send it?
2. Robert Wood _____ his robots could go on search-and-rescue missions someday.
3. If his RoboBee design worked, it _____ very useful.
4. Wood's team _____ more of their designs would work.
5. If it _____ the year 2035, would there be lots of robot insects?

D Circle or write your answers. Explain your answers to a partner.

1. I wish I had a robot that could _____.
 - a. fly
 - b. go underwater
2. If I created a robot, it would _____.
 - a. make me rich
 - b. solve one of the world's problems
3. Which would you like to help build?
 - a. Robert Wood's small robots
 - b. large robots used in factories (e.g., to move car parts in a factory)
4. If you had a robot that could do one of your daily chores, which chore would it be?

I wish I had a robot that could fly.
I would send it to outer space with
a camera and take pictures.

TEST OF **CHARACTER**

BEFORE YOU WATCH

A Answer your teacher's questions about the photo.



B How would you rank the following situations? Check (✓) your answer.

How risky would it be to help someone in these situations?

	not risky	a little risky	very risky
1. You see a child that looks lost.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. You see someone fall and get hurt.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. You see a person on the street asking for money.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. You see someone drop their things on the ground.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. You see a person fighting with a thief who is trying to take their bag.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WHILE YOU WATCH

A Do these people help the woman? Check (✓) yes or no.



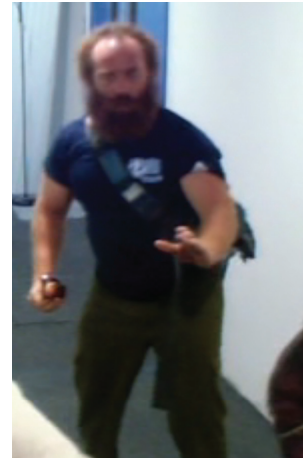
1. Yes ☐ No ☐



2. Yes ☐ No ☐



3. Yes ☐ No ☐



4. Yes ☐ No ☐



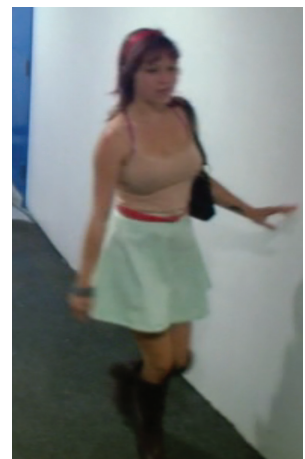
5. Yes ☐ No ☐



6. Yes ☐ No ☐

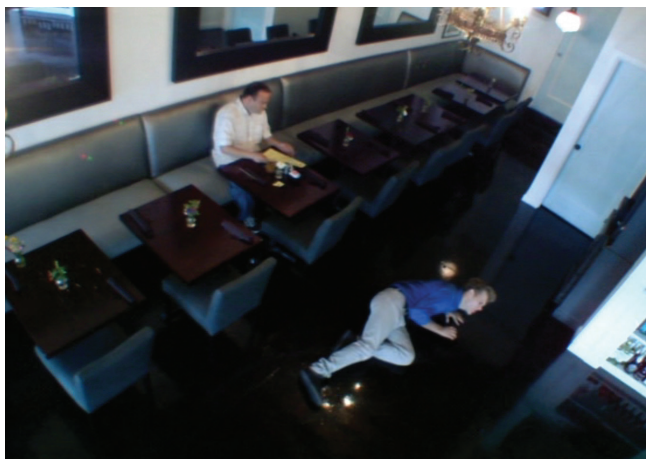


7. Yes ☐ No ☐



8. Yes ☐ No ☐

- B** How long did it take the single diner vs. the group of diners to react to the fallen man?
Write the correct answers under the photos.



1. _____ seconds 2. _____ seconds

AFTER YOU WATCH

- A** Match the main ideas to the sentences.

- | | |
|-----------------------------------|---|
| a. the purpose of the experiments | c. questions the experiment tried to answer |
| b. how the experiments were done | d. the results of the experiment |

- ____ 1. The experiment was to see how people react to other people's problems.
 ____ 2. Do people in groups react more quickly than people by themselves?
 ____ 3. Groups of people took nearly three times as long to help.
 ____ 4. Would the biggest and strongest come to the rescue?
 ____ 5. Actors were hired. Hidden cameras were put in place.
 ____ 6. Three out of ten people helped the woman.

- B** Match the underlined words to their meanings. Use the words from the box.

bystander found froze mugger single

1. The thief quietly walked up behind the man and took the wallet out of his coat pocket.

2. In the experiment, the lone dinner reacted more quickly than the group of diners.

3. When I opened the door and saw a man holding a knife, I could not move.

4. Because of the experiment, we discovered that you cannot know a person's character by the way they look.

5. There was a person standing nearby when the car crashed into the tree.

C Put the words in order to complete the sentences.

1. _____ trying to steal a woman's bag,
(you / if / a man / saw) what would you do?

2. _____ to record what happens ...
(been / Hidden / have / cameras / placed)

3. If you were this woman, _____ ?
(you / help / try / to / would)

4. This time _____ in a public restaurant.
(placed / hidden / have / cameras / been)

5. In the experiment, _____ of people ...
(groups / it / found / that / was)

D Discuss the following questions with a partner or in small groups.

Have you seen a real situation like one in the experiments? What did people do?

Did they help or stay away? What does our reaction say about our character?

One time I saw an old man fall on the ground on the sidewalk in a big city. No one stopped to help him up.

SPACE FOOD

BEFORE YOU WATCH

- A Look at the photo.** What kind of food do you think astronauts eat in space? How is it different from the food we eat on Earth?



- B Guess.** Complete the sentences using the correct words.

"Since the start of human space flight, NASA has worked to improve the food for its

1. _____. NASA food 2. _____ try to make menus that provide astronauts the food they need to live in space. Eating on Earth is very different from eating in 3. _____. Space food needs to be easy to hold and eat in zero 4. _____. Of course, it should also be healthy and taste 5. _____."

WHILE YOU WATCH

A Check your answers to **Before You Watch B**.

B Look at the photos. Then complete the captions by writing the words you hear.



When food is

1. _____-dried,
most of the water is removed from inside it,
so the food becomes much

2. _____.



These astronauts are planning a

3. _____
to celebrate Thanksgiving.



4. _____
food is eaten in space, but only rarely.

AFTER YOU WATCH

A Match the beginning of the sentences with the ends.

- | | | | |
|---------------------------------------|-----------------------|-----------------------|---|
| 1. It's important that space food | <input type="radio"/> | <input type="radio"/> | a. is freeze-dried. |
| 2. A lot of the food astronauts eat | <input type="radio"/> | <input type="radio"/> | b. keeps astronauts happy as well as healthy. |
| 3. Space food needs to be | <input type="radio"/> | <input type="radio"/> | c. easy to hold and eat in zero gravity. |
| 4. It's important NASA astronauts get | <input type="radio"/> | <input type="radio"/> | d. a balanced-diet. |

B Circle the correct words.

- Eating on Earth is very different from (**to eat** / **eating**) in space.
- Freeze-dried food is much (**lighter** / **lightest**) than normal food.
- A refrigerator would be (**heavy enough** / **too heavy**) for a spacecraft.
- You can't enjoy a Thanksgiving meal without turkey and green bean casserole, (**can** / **can't**) you?
- NASA food scientists, (**who** / **which**) make the menus for astronauts, are always trying to make astronaut's space food better.

C Complete the categories using words from the box.

casserole celebrate dehydrate lightweight

- | | | | | | |
|----|--|----|--|----|---|
| 1. | <div style="background-color: #e0f0ff; padding: 5px; text-align: center;">process of removing water</div> <div style="border: 1px solid black; height: 20px; margin: 5px 0;"></div> <div style="border: 1px solid black; padding: 5px; text-align: center;">freeze dry</div> | 2. | <div style="background-color: #c0d0c0; padding: 5px; text-align: center;">kinds of food</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">dessert</div> <div style="border: 1px solid black; height: 20px; margin: 5px 0;"></div> <div style="border: 1px solid black; padding: 5px; text-align: center;">salad</div> | 3. | <div style="background-color: #ffcc99; padding: 5px; text-align: center;">Thanksgiving</div> <div style="border: 1px solid black; height: 20px; margin: 5px 0;"></div> <div style="border: 1px solid black; padding: 5px; text-align: center;">a special meal</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">turkey</div> |
| 4. | <div style="background-color: #a0b0c0; padding: 5px; text-align: center;">food in space</div> <div style="border: 1px solid black; height: 20px; margin: 5px 0;"></div> <div style="border: 1px solid black; padding: 5px; text-align: center;">easy to hold</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">stays good a long time</div> | | | | |

- D** Imagine you and your partner are astronauts. What kind of food should you eat in these situations?



- You feel hungry all the time.
- Your partner thinks he/she is getting a cold.
- You want to munch on something while watching a movie.
- Your partner wants to celebrate something—maybe a family member’s birthday back home.

Here, have some candy coated peanuts.