

Life on the Move

4



wildebeest and zebra
migrating in Serengeti
National Park, Tanzania

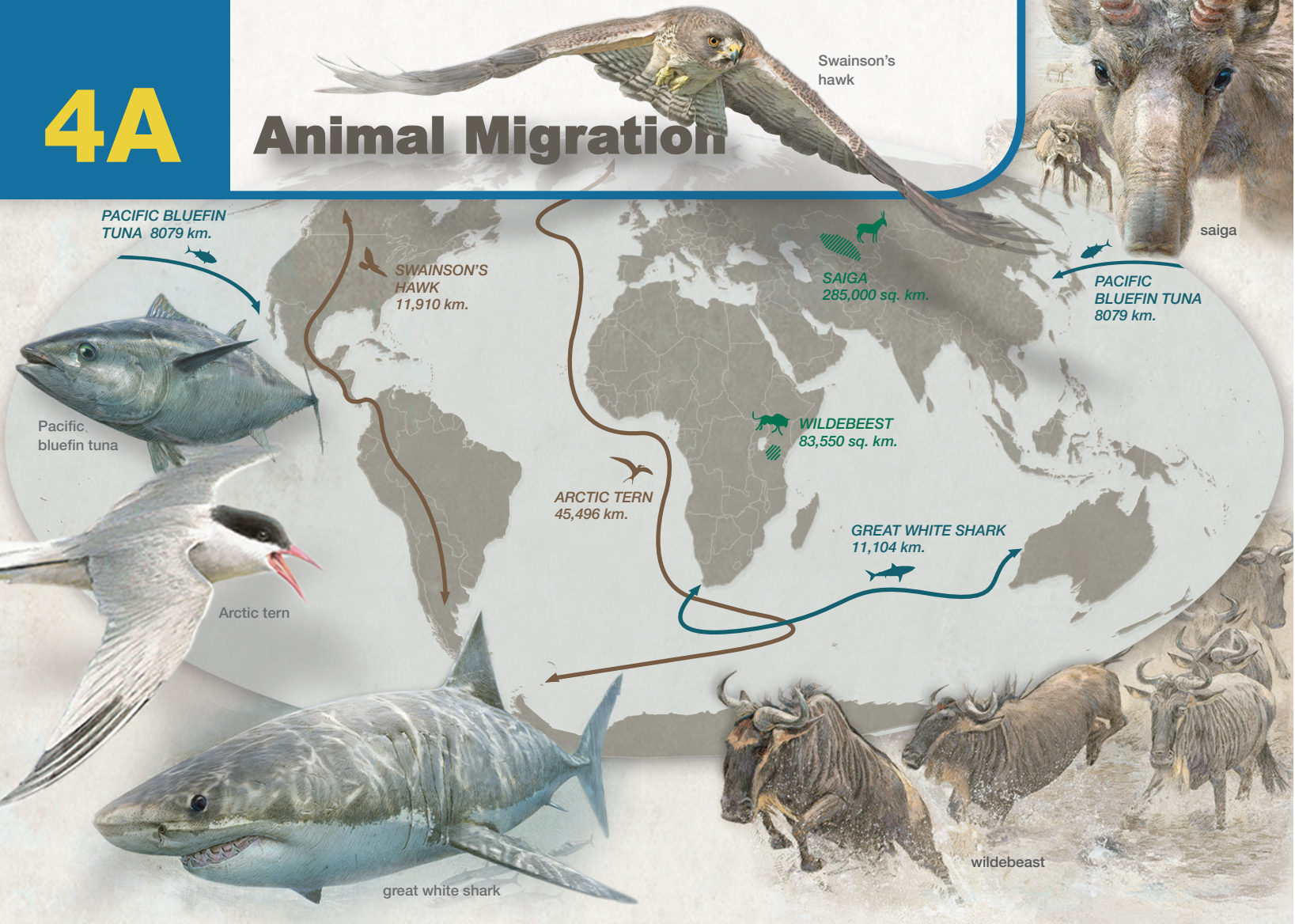
Warm Up

Talk with a partner.

1. When animals migrate, they move from one place to another place. Why do you think animals migrate?
2. Which animals do you know migrate?

47

Animal Migration



Before You Read

A Strategy: Reading a map. Look at the map. How does each animal migrate—by air, sea, or land? Which animal travels the longest distance? Talk about your answers with a partner.

B Definitions. Match the words with their meanings .

- | | | | |
|---------------|--------------|----------|----------------|
| 1. completely | 2. in common | 3. swim | 4. survive |
| 5. face (v.) | 6. challenge | 7. avoid | 8. in addition |

- | | |
|--|--|
| _____ a. also | _____ e. having something the same |
| _____ b. to move through the water | _____ f. to keep living |
| _____ c. a problem, or difficult thing | _____ g. 100% |
| _____ d. to try not to be near a person or thing | _____ h. to meet and try to fix a problem or bad condition |

Reading

Strategy: Skimming.

Quickly read the passage and write the number of the paragraph that has the answers to each question.

- a. How much water? _____
- b. Why migrate? _____
- c. How dangerous? _____
- d. How far? _____



▲ a pronghorn herd runs across Wyoming, U.S.A.

Move as Millions, Survive as One

- 1 [1 Great white sharks in the Pacific Ocean. Wildebeest in Africa. Arctic terns in the Atlantic. At first, these animals seem **completely** different. One **swims**, one walks, and the other flies. But they all have one thing **in common**. They all migrate.
- 2 [5 Some migrating animals move to a place with a better temperature. Some go to find food or water. The groups travel as one, trying to **survive**. During the trip, they **face** many different **challenges**.
- 3 [One challenge is distance. Some migrating animals take very long trips. They go far away from their home areas. For example, one great white shark swam from Australia to South Africa and back. In nine months, it swam about 20,000 kilometers.¹
- 4 [10 Another challenge is finding enough food and water during the journey. For example, each Mali elephant needs over 200 liters of water each day. To get this, they need to go from one waterhole to another.
- 5 [15 **In addition**, migrating animals have to **avoid** other animals that want to eat them. For example, the zebra has to stay away from lions. Traveling as a group helps keep them safe. All the zebras in the group can watch for danger. When one zebra is in trouble, the other members make a circle around it.
- 6 [By working as a group, migrating animals can survive some of the world's most extraordinary journeys.

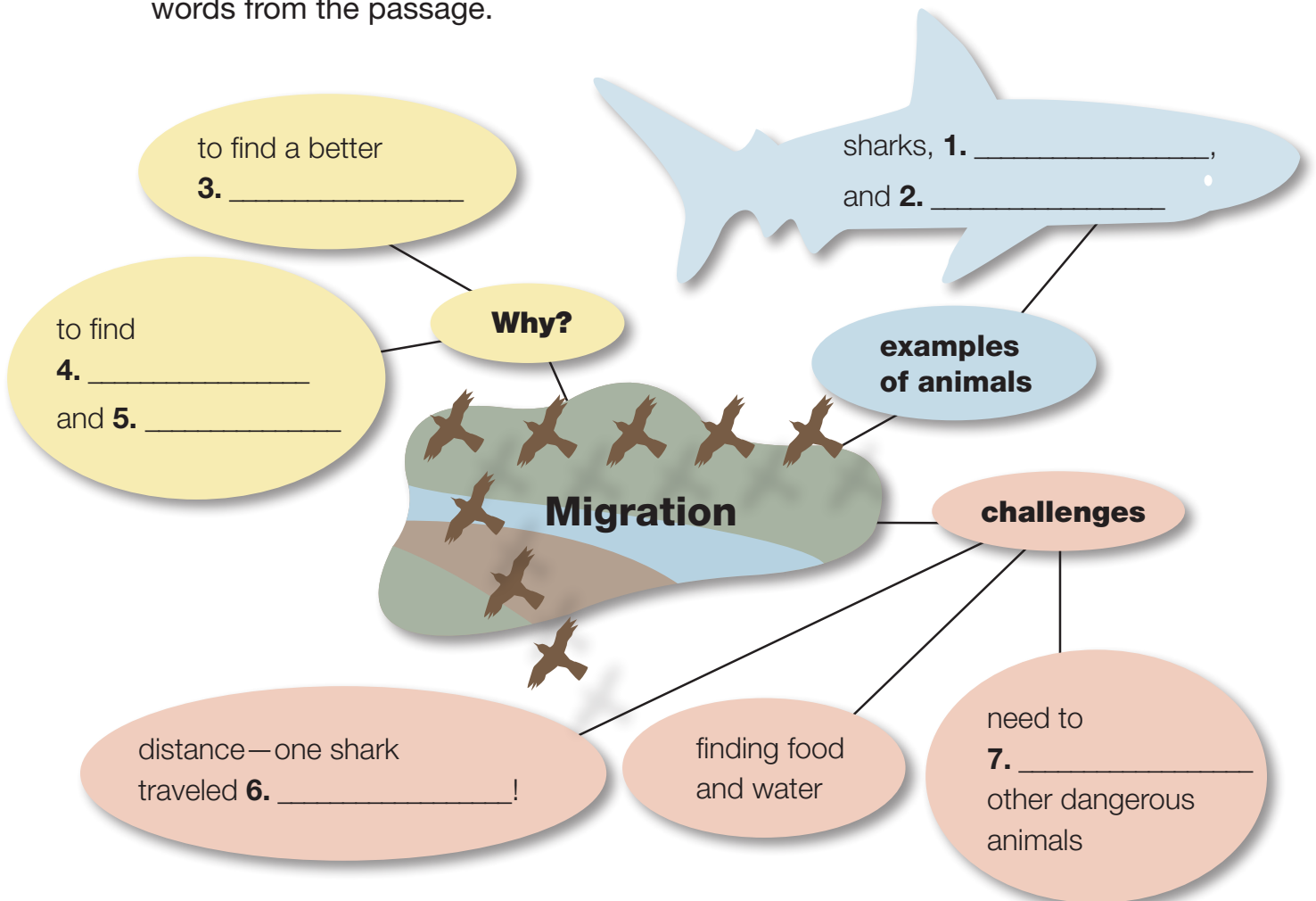
¹ 20,000 kilometers = 12,500 miles

Reading Comprehension

A Circle the correct answer.

- Main Idea** 1. The main idea of the first paragraph is that _____ animals migrate.
a. not all kinds of b. only similar c. different kinds of
- Detail** 2. The passage talks about _____ big challenges for the animals.
a. two b. three c. four
- Detail** 3. Which of the following statements is NOT true?
a. It's about 20,000 kilometers from South Africa to Australia.
b. An elephant needs more than 100 liters of water a day.
c. Zebras help each other when they are in trouble.
- Inference** 4. From the passage, we can infer that _____.
a. lions may eat zebras b. lions travel in groups c. lions try to avoid zebras

B Strategy: Summary completion. Complete the word web using words from the passage.



Language Practice

A Vocabulary: Words in context. Answer the questions below.

1. Who is **completely** different from you? Why?

2. What do you have **in common** with your parents?

3. Do you know how to **swim**? When did you learn?

4. What is one dangerous situation that is difficult to **survive**? Why?

5. What is one problem you have **faced** in the past? What did you do?

6. What is one **challenge** you have now?

7. What is something that you want to **avoid**? Why?

8. **In addition** to English, are there any languages you want to learn? What are they?

B Grammar: Relative clauses with *that*. Read these sentences. Sentence **b** is from the passage.

- a. The animals also have to avoid other animals. Those animals want to eat them.
- b. . . . the animals have to avoid other animals **that** want to eat them.
- c. There are marks on the skulls. Scientists believe only modern technology can make these marks.
- d. There are marks on the skulls **that** scientists believe only modern technology can make.

Word Partners

Use **common** with:

(*n.*) common **belief**, common **language**, common **problem**

(*adj.*) **more/most** common

(*v.*) **have something in** common

Join the sentences. Use **that**.

1. The team discovered a tiny tree mouse. This animal travels from one tree to another.

2. First, you have to put on a vest. It has more than 12 ice packs across the front and back.

3. Migrating sharks make a 20,000-kilometer trip. The trip takes nine months.

4. Archeologists have found evidence. The evidence shows the skulls are probably fakes.



Before You Read

▲ Monarch butterflies rest on a tree on their migration to Mexico.

A Quiz. How much do you know about monarch butterflies?

Take the quiz. Circle True (T) or False (F). Then check your answers below.

1. Monarchs weigh less than a penny.¹
2. A monarch butterfly can only fly 10 kilometers a day.
3. Monarch butterflies migrate further than any bird.

T F
T F
T F



¹ a penny

B Definitions. Match the words with their meanings.

- | | | | |
|---------------|------------|------------|--------------|
| 1. everywhere | 2. in fact | 3. somehow | 4. arrive |
| 5. gather | 6. young | 7. smile | 8. encourage |

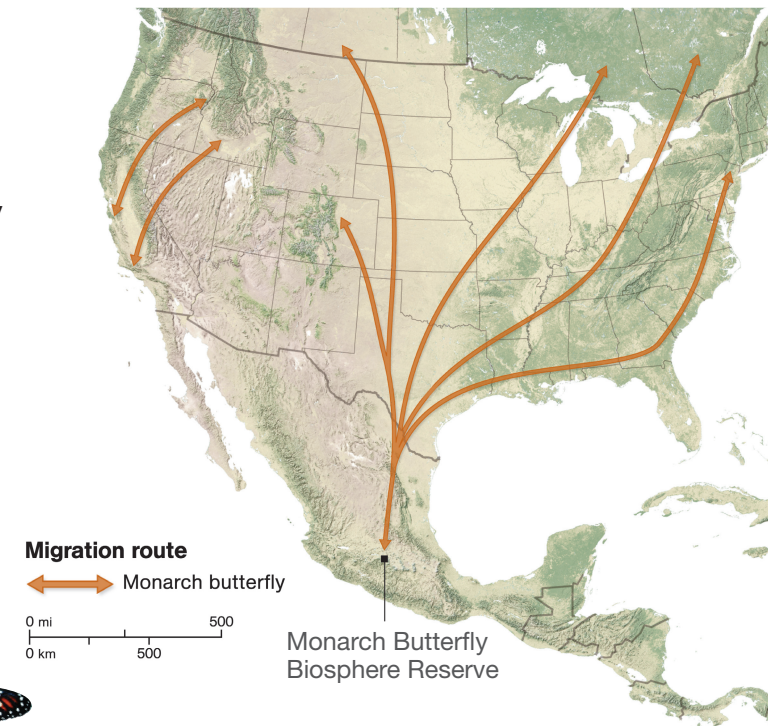
- | | |
|---------------------------|--|
| _____ a. to reach a place | _____ e. in a way that is surprising or hard to explain |
| _____ b. in all places | _____ f. the following is true or gives more information |
| _____ c. → 😊 | _____ g. to make someone feel more like doing something |
| _____ d. not old | _____ h. to bring people or things together |

¹ T. Five butterflies, put together, weigh the same as one penny. ² F. Monarch butterflies often fly over 80 kilometers a day. ³ F. A number of birds migrate further than the monarch butterfly.

Reading

Strategy: Predicting. Look quickly at the title, headings, pictures, and captions and answer the questions below. Then read the passage to check your answers.

1. Do monarch butterflies prefer warm or cool temperatures? _____
2. How do people feel when they see the monarchs? _____



Heading South for the Winter

◀ ² a shadow

The monarch butterflies have the power to make people smile. ▶



- 1 One monarch butterfly flies by. Then another, and another. As they fly, the butterflies seem to float¹ in the sky. They make beautiful shadows² on the ground below. They seem to be **everywhere**. **In fact**, there are so many butterflies that the groups look like beehives³
- 5 in the trees. And when they fly, the sound of 150 million monarchs' wings creates a soft sound, as though it is raining. People say Mexico is the only place in the world where you can hear the sound of butterflies' wings moving.



³ a beehive

The Migration

- Every year, millions and millions of monarch butterflies migrate from the U.S.A. and
- 10 Canada. They go to a place high in the mountains of Mexico. There, they can escape from North America's cold winter temperatures. To get there, the monarchs often travel over 80 kilometers⁴ a day. But what's really amazing is that the butterflies make the trip only once. **Somehow** they know exactly where to go.

The Effect on People

- 15 After the butterflies **arrive** in Mexico, people **gather** to watch. The effect on people is amazing. **Young** and old, men and women, locals and people from far away—everyone is **smiling** and friendly. It's as though the butterflies **encourage** people to be their best.

¹ When something **floats**, it moves quietly and slowly through the sky or water.

⁴ 80 kilometers = 50 miles

Reading Comprehension

A Circle the correct answer.

Inference 1. According to the passage, the sound of the butterflies moving is ____.

- a. something people want to avoid
- b. easy to imagine
- c. nice to listen to

Vocabulary 2. Each monarch butterfly joins the migration ____.

- a. just one time
- b. a few times
- c. one time a year

Detail 3. According to the passage, ____ will like watching the butterflies.

- a. almost everyone
- b. mainly butterfly experts
- c. mainly young people

Inference 4. The writer probably ____ the butterflies know where to go.

- a. understands exactly how
- b. thinks it's extraordinary that
- c. has written a book about how

B Strategy: Summary completion. Use no more than two words in each blank to complete the summary about the passage.

Every year, **1.** _____ of monarch butterflies leave North America before it gets too **2.** _____. They travel to **3.** _____ where the temperature is warmer. It's a long trip, and they sometimes fly more than **4.** _____ every day. Not one of the butterflies has been there before, but **5.** _____ they go to the same place each year. There, people **6.** _____ to see them. Maybe the butterflies make everyone happy, because everyone seems to be **7.** _____ as they watch them.

Language Practice

A Vocabulary: Words in context. In each sentence, circle the best answer.

- Everywhere** on Earth, people wear _____.
a. gloves b. clothes
- At which of these places might people **gather**?
a. a bed b. a stadium
- If you **somehow** pass a test, it is _____ for you.
a. easy b. difficult
- When do most people **arrive** at school?
a. in the morning b. in the afternoon
- Which of these is **young**?
a. a puppy¹ b. a grandparent
- People usually **smile** when they are _____.
a. happy b. unhappy
- When someone **encourages** you to do something, they want you to _____ it.
a. try b. avoid
- When you say **in fact**, you are usually _____ information.
a. asking for b. giving



¹ a puppy

B Grammar: Relative clauses with where. Read these sentences.

Sentence **a** is from the passage.

- Mexico is the only place in the world **where** you can hear the sound of butterflies' wings moving.
- Sometimes they move to a place **where** there is a better temperature.

Complete each sentence using **where** and information that is true for you.
Share your answers with a partner.

- I want to go to a country where _____.
- Last week I went to _____ where I _____.
- I love places where I can _____.
- _____.

Word Partners

Use **smile** with:

(v.) smile **and laugh**, **make someone** smile,

see someone smile

(adj.) **big/little/small** smile, **friendly** smile,

sad smile, **shy** smile, **warm** smile, **wide** smile

Monarch Migration



A Preview. The video discusses some problems that monarch butterflies face when they reach Mexico. Which do you think are some of these problems?

- | | |
|--|--|
| <input type="checkbox"/> cold temperatures | <input type="checkbox"/> too many tourists |
| <input type="checkbox"/> hot temperatures | <input type="checkbox"/> people cutting down trees |
| <input type="checkbox"/> storms | <input type="checkbox"/> people catching butterflies |

B As you watch. Circle the correct answer in each sentence.

1. Every year, 300 (**million** / **billion**) butterflies travel from North America to the butterfly sanctuary.
2. In 2002, a (**rain storm** / **wildfire**) killed millions of monarch butterflies.
3. Mike Quinn is worried about (**the number of tourists** / **the loss of trees**).
4. In 30 years, the number of (**trees** / **butterflies**) in the area has gone down 50 percent.
5. The Mexican government is paying money to (**land owners** / **butterfly farmers**) to help the butterflies.

C Think about it. What else can people do to help the butterflies?