

Name \_\_\_\_\_ Date \_\_\_\_\_



Grade \_\_\_\_\_

**A TRUE/FALSE** Write if the sentence is true or false. If false, change the bold word to make the sentence true. (20 points: 4 points each)

Example: F Robert Hook looked at cells through a **telescope**. microscope

- \_\_\_\_ 1. **Organelles** perform life activities in cells. \_\_\_\_\_
- \_\_\_\_ 2. A bacteria cell has a **nucleus** inside its cell membrane. \_\_\_\_\_
- \_\_\_\_ 3. The **cell** is the basic unit of life. \_\_\_\_\_
- \_\_\_\_ 4. A **bacteria** cell has cytoplasm and a cell membrane. \_\_\_\_\_
- \_\_\_\_ 5. **Charles Darwin** invented the name cell. \_\_\_\_\_

**B MULTIPLE CHOICE** Choose the correct answer. (20 points: 4 points each)

Example: The cell membrane of a bacteria cell is d.

- |               |          |                                  |
|---------------|----------|----------------------------------|
| a. jelly-like | c. empty | 8. A bacteria cell has ____.     |
| b. stiff      | d. thick | a. a cell membrane and a nucleus |
|               |          | b. a nucleus and lysosomes       |
|               |          | c. cytoplasm and a cell membrane |
|               |          | d. chloroplasts and lysosomes    |
6. An animal cell does not have \_\_\_\_.
- |                |   |
|----------------|---|
| a. vacuoles    | 9. The nucleus of a cell is in charge of cell activities. This means it ____. |
| b. lysosomes   | a. digests material in the cell   |
| c. ribosomes   | b. holds up cell walls  |
| d. a cell wall | c. controls activities in the cell  |
|                | d. processes proteins in the cell   |
7. Robert Hook drew \_\_\_\_.
- |                             |                                     |
|-----------------------------|-------------------------------------|
| a. the walls of a cell      | 10. Chloroplasts are found in ____. |
| b. the nucleus of a cell    | a. animals                          |
| c. the organelles of a cell | c. bacteria                         |
| d. a microscope             | b. green plants                     |
|                             | d. ribosome                         |

**C COMPLETION** Complete the sentences. (20 points: 4 points each)

Example: A bacteria cell has a cell membrane and cytoplasm.

11. All living things are made of one or more \_\_\_\_\_.
12. The cell parts that perform life activities are called \_\_\_\_\_.
13. Robert Hook drew a picture of empty \_\_\_\_\_.
14. The organelles that make food in green plants are \_\_\_\_\_.
15. A \_\_\_\_\_ cell does not have a nucleus.

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**D SHORT ANSWERS** Look at the table. Answer the question.  
(20 points: 4 points each)

Organelle	Job or Life Activity
nucleus	The nucleus controls all cell activities.
chloroplast	Chloroplasts are in charge of making food from sunlight. Animal cells do not have chloroplasts.
cytoplasm	This jelly-like material is inside the cell membrane, but outside the nucleus. It contains all the other cell parts.
lysosome	The lysosomes digest or break down material.
endoplasmic reticulum	The endoplasmic reticulum moves chemicals around the cell.
Golgi complex	The Golgi complex packages or processes proteins.
cell wall	The stiff cell wall holds up the plant.
mitochondria	Mitochondria make energy from food.

**Example:** Which cell part is outside the nucleus and holds all the other cell parts?

cytoplasm

- 16. Which cell part moves chemicals around in the cell? \_\_\_\_\_
- 17. What does the nucleus of a cell do? \_\_\_\_\_
- 18. What cell part processes proteins? \_\_\_\_\_
- 19. What does the cell wall do in a plant? \_\_\_\_\_
- 20. What do lysosomes do in a cell? \_\_\_\_\_

**E WRITING** Write a paragraph explaining how animal cells and plant cells are different. (20 points)

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