

Assessment

Quiz**Section: Inside the Eukaryotic Cell**

In the space provided, write the letter of the description that best matches each term.

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| _____ 1. endoplasmic reticulum | a. an organelle that uses energy from organic compounds to make ATP |
| _____ 2. chloroplast | b. an organelle that uses light energy to make sugar from carbon dioxide and water |
| _____ 3. Golgi apparatus | c. an organelle that helps make and package materials to be sent out of the cell |
| _____ 4. lysosome | d. contains specific enzymes to break down large molecules |
| _____ 5. mitochondrion | e. a small sac formed from part of a membrane |
| _____ 6. vesicle | f. a system of internal membranes that moves proteins and other substances through the cell |

In the space provided, write the letter of the term or phrase that best answers each question.

- _____ 7. What is the main function of a cell's nucleus?
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| a. channel substances | c. assemble ribosomes |
| b. make proteins | d. store DNA |
- _____ 8. Which of these helps the cell keep its shape, as well aiding cell movement?
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|--------------|------------------------|
| a. rough ER | c. contractile vacuole |
| b. smooth ER | d. cytoskeleton |
- _____ 9. Which of the following participate in protein transport?
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| a. nuclear envelope, ribosomes, and endoplasmic reticulum |
| b. cytoplasm, endoplasmic reticulum, and Golgi apparatus |
| c. endoplasmic reticulum, Golgi apparatus, and microtubules |
| d. Golgi apparatus, microtubules, and cytoplasm |
- _____ 10. Why are vesicles important in maintaining homeostasis?
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| a. They make the cell strong. |
| b. They aid communication among different parts of the cell. |
| c. They store substances, releasing them as the cell needs them. |
| d. They produce energy by breaking down organic compounds. |