

Eukaryotes / Quick test / answer key

Complete boxes with the correct organelle

1. stores, modifies and packages proteins ANSWER - Golgi apparatus
2. Surrounded by a double membrane with pores, it contains the cell's DNA ANSWER - Nucleus

Multiple Choice Questions

3. What role do Centrioles have in eukaryotic animal cells (but not in plant cells)
 - A. stores, modifies and packages proteins
 - B. **CORRECT:** Assemble microtubules for the spindle in mitosis.
 - C. Synthesis of proteins for use outside the cell.
 - D. synthesis of proteins for use in the cell.

4. What is the function of Lysosomes in liver cells.
 - A. Synthesis of proteins for use outside the cell.
 - B. **CORRECT:** Contain digestive enzymes, and can fuse with vesicles containing damaged organelles.
 - C. Surrounded by a double membrane with pores, it contains the cell's DNA
 - D. Controls the movement of materials into and out of the cell.

5. The best explanation of the function of Free Ribosomes is...
 - A. stores, modifies and packages proteins
 - B. Synthesis of proteins for use outside the cell.
 - C. Supports and maintains the shape of plant cells.
 - D. **CORRECT:** synthesis of proteins for use in the cell.

6. Synthesis of proteins for use outside the cell takes place in which organelle?
 - A. **CORRECT:** Rough Endoplasmic Reticulum (rER)
 - B. Golgi Apparatus
 - C. Plasma Membrane
 - D. Free Ribosomes

True/False Questions

7. The site of Aerobic respiration - the production of ATP → Mitochondria
This is TRUE.

8. Plasma Membrane → Controls the movement of materials into and out of the cell.
This is TRUE

