

## Plant And Animal Cell Quiz Answer Key PDF

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**What structure do animal cells use for movement?**

- A. Chloroplasts
- B. Cilia and Flagella ✓**
- C. Plasmodesmata
- D. Central Vacuole

**Which of the following are found in both plant and animal cells? (Select all that apply)**

- A. Nucleus ✓**
- B. Chloroplasts
- C. mitochondria ✓**
- D. Cell Wall

**Which structures are unique to plant cells? (Select all that apply)**

- A. Central Vacuole ✓**
- B. Centrioles
- C. Chloroplasts ✓**
- D. Plasmodesmata ✓**

**Which organelles are involved in energy production? (Select all that apply)**

- A. Chloroplasts ✓**
- B. mitochondria ✓**
- C. Ribosomes
- D. Lysosomes

**Which of the following are involved in cellular transport? (Select all that apply)**

**A. Cell Membrane ✓**

**B. Plasmodesmata ✓**

C. mitochondria

D. Smooth ER

**Which structure is found only in plant cells and not in animal cells?**

A. Cell membrane

B. Nucleus

**C. Cell wall ✓**

D. Lysosomes

**What is the role of ribosomes in the cell?**

A. Photosynthesis

**B. Protein synthesis ✓**

C. Lipid storage

D. DNA replication

**Which organelle is primarily involved in detoxification processes?**

A. Rough ER

**B. Smooth ER ✓**

C. Golgi Apparatus

D. Lysosomes

**Which organelle is known as the powerhouse of the cell?**

A. Nucleus

B. Chloroplast

**C. mitochondria ✓**

D. Endoplasmic Reticulum

**What functions are associated with the Golgi Apparatus? (Select all that apply)**

**A. Modifying proteins ✓**

B. Photosynthesis

**C. Packaging lipids ✓**

D. DNA replication

**What is the primary component of the plant cell wall?**

A. Protein

B. Lipid

**C. Cellulose ✓**

D. Starch

**Which organelles are involved in protein synthesis and processing? (Select all that apply)**

**A. Ribosomes ✓**

**B. Golgi Apparatus ✓**

C. Lysosomes

**D. Rough ER ✓**

**Which organelle is responsible for photosynthesis in plant cells?**

A. mitochondria

**B. Chloroplasts ✓**

C. Ribosomes

D. Golgi Apparatus

**What is the primary function of the nucleus in both plant and animal cells?**

A. Protein synthesis

B. Energy production

**C. Genetic material storage ✓**

D. Lipid synthesis