

Plant And Animal Cell Quiz PDF

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What structure do animal cells use for movement?

- Chloroplasts
- Cilia and Flagella
- Plasmodesmata
- Central Vacuole

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

- Nucleus
- Chloroplasts
- mitochondria
- Cell Wall

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

- Central Vacuole
- Centrioles
- Chloroplasts
- Plasmodesmata

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

- Chloroplasts
- mitochondria
- Ribosomes
- Lysosomes

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

- Cell Membrane
- Plasmodesmata

- mitochondria
- Smooth ER

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

- Cell membrane
- Nucleus
- Cell wall
- Lysosomes

What is the role of ribosomes in the cell?

- Photosynthesis
- Protein synthesis
- Lipid storage
- DNA replication

Which organelle is primarily involved in detoxification processes?

- Rough ER
- Smooth ER
- Golgi Apparatus
- Lysosomes

Which organelle is known as the powerhouse of the cell?

- Nucleus
- Chloroplast
- mitochondria
- Endoplasmic Reticulum

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

- Modifying proteins
- Photosynthesis
- Packaging lipids
- DNA replication

What is the primary component of the plant cell wall?

- Protein
- Lipid
- Cellulose
- Starch

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

- Ribosomes
- Golgi Apparatus
- Lysosomes
- Rough ER

Which organelle is responsible for photosynthesis in plant cells?

- mitochondria
- Chloroplasts
- Ribosomes
- Golgi Apparatus

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

- Protein synthesis
- Energy production
- Genetic material storage
- Lipid synthesis