Name: Date: Score: / 8

Organelles Up Close: Learn and Practice

Ribosomes, ER, Golgi bodies and more

Read each question. Circle the best answer.

💡 Cell Organelles

- Organelles are tiny structures inside a cell, and each has its own job.
- Ribosomes build proteins, and the endoplasmic reticulum moves them through the cell.
- Mitochondria release energy, and vacuoles store water and wastes.
- ribosome: builds proteins

1 Which organelle builds proteins?

A. Cell wall B. Chloroplast C. Vacuole D. Ribosome

2 Which organelle stores water, food and wastes?

A. Ribosome B. Mitochondrion C. Nucleus D. Vacuole

3 What is an organelle?

A. A type of tissue B. A group of organs C. A cell with no nucleus D. A small structure inside a cell

4 What is the jelly like fluid that fills a cell called?

A. Nectar B. Sap C. Cytoplasm D. Saliva

5 Rough endoplasmic reticulum looks bumpy. What makes the bumps?

A. Ribosomes B. Chloroplasts C. Lysosomes D. Vacuoles

6 ⚡ Which organelle is often called the powerhouse of the cell?

A. Golgi body B. Ribosome C. Mitochondrion D. Vacuole

7 Which organelle is a network of folded tubes that moves materials through the cell?

A. Endoplasmic reticulum B. Cell membrane C. Vacuole D. Chloroplast

8 📦 Which organelle packages proteins and ships them out, like a post office?

A. Ribosome B. Nucleus C. Golgi body D. Vacuole

✏️ Explain it! Write two facts you learned about organelles up close.

ANSWER KEY

Organelles Up Close: Learn and Practice (answers)

Ribosomes, ER, Golgi bodies and more

Read each question. Circle the best answer.

1 Which organelle builds proteins?

A. Cell wall B. Chloroplast C. Vacuole

D. Ribosome

Ribosomes read instructions from DNA and link building blocks together to make proteins.

2 Which organelle stores water, food and wastes?

A. Ribosome B. Mitochondrion C. Nucleus

D. Vacuole

A vacuole is like a storage bag inside the cell, holding water, food and wastes.

3 What is an organelle?

A. A type of tissue B. A group of organs

C. A cell with no nucleus

D. A small structure inside a cell

Organelle means little organ. Each one does a special job inside the cell.

4 What is the jelly like fluid that fills a cell called?

A. Nectar B. Sap **C. Cytoplasm** D. Saliva

Cytoplasm fills the cell and holds the organelles in place, like jelly holding fruit.

5 Rough endoplasmic reticulum looks bumpy. What makes the bumps?

A. Ribosomes B. Chloroplasts C. Lysosomes

D. Vacuoles

Ribosomes sit on the rough ER. They build proteins that go straight into the ER for transport.

6 ⚡ Which organelle is often called the powerhouse of the cell?

A. Golgi body B. Ribosome **C. Mitochondrion**

D. Vacuole

Mitochondria release energy from food, so the cell can power everything it does.

7 Which organelle is a network of folded tubes that moves materials through the cell?

A. Endoplasmic reticulum B. Cell membrane

C. Vacuole D. Chloroplast

The endoplasmic reticulum, or ER, is like a system of hallways that carries materials around the cell.

8 📦 Which organelle packages proteins and ships them out, like a post office?

A. Ribosome B. Nucleus **C. Golgi body**

D. Vacuole

The Golgi body sorts and packages proteins, then sends them where they are needed. Great thinking!