

Name: _____

Class _____ Date _____ Regents: Cell Organelle Quiz

1.

In a green plant cell, photosynthesis takes place in the

- A. cell membrane
- B. chloroplasts
- C. nucleus
- D. cytoplasm

2.

The protective outer covering of a cell is called the

- A. chromosome
- B. chloroplast
- C. cytoplasm
- D. cell membrane

3.

If a living cell were compared to a factory, which part of the factory would be equivalent to the nucleus?

- A. a closet used to store cleaning supplies
- B. a computer that controls all activities
- C. a machine that puts pieces together
- D. the generator that provides energy to the entire factory

4.



The outermost part of this plant cell is the

- A. nucleus
- B. cell wall
- C. cytoplasm
- D. cell membrane

5.

Which cell structure is correctly paired with its primary function?

- A. ribosome—protein synthesis
- B. mitochondrion—movement
- C. vacuole—cell division
- D. nucleus—storage of nutrients

6.

_____ is the gel-like mixture that fills the cell and holds its parts together.

- A. Cytoplasm
- B. Nucleus
- C. Chloroplast
- D. Genetic material

7.

What is the main function of the cell wall?

- A. to process oxygen
- B. to eliminate waste
- C. to provide structure and protection
- D. to obtain nutrients

8.

What is the purpose of the cell membrane?

- A. It holds the cell's hereditary information.
- B. It obtains energy for the cell from nutrients.
- C. It lets nutrients into the cell and allows other materials to leave the cell.
- D. It controls all activities inside the cell.

9.

Which organelles in a cell break down nutrients and release energy?

- A. mitochondria
- B. chromosomes
- C. cytoplasm
- D. chloroplasts

10.

The photograph shows a stained specimen of onion skin as seen through the high power objective of a microscope.



Which structures can be seen?

- A. cell nucleus and mitochondria
- B. cell wall and vacuoles
- C. cell wall and nucleus
- D. cell wall and chloroplasts