

**SCIENCE 9**  
2<sup>nd</sup> Quarter Summative Test A  
SY 2020-2021

I. Match the part of the cell in Column B with its description in Column A. Type the letter of the correct answer in the box.

**COLUMN A**

- \_\_\_\_\_ 1. It produces ribosomes which are needed in protein synthesis.
- \_\_\_\_\_ 2. It contains the genetic material which controls the activities of the cell.
- \_\_\_\_\_ 3. It is a jelly-like substance where organelles can be found.
- \_\_\_\_\_ 4. It is responsible in breaking down waste materials and worn out cell parts.
- \_\_\_\_\_ 5. It provides ATP or the energy needed by the cell to move, divide, produce secretory products, and contract.
- \_\_\_\_\_ 6. It stores, processes, and shapes substances such as proteins and lipids made by the cell for transport around the cell or for export out of the cell.

**COLUMN B**

- A. cell membrane
- B. cytoplasm
- C. golgi bodies
- D. mitochondrion
- E. nucleolus
- F. nucleus
- G. lysosome
- H. endoplasmic reticulum

II. Encircle the letter of the correct answer.

- 1. What is the basic unit of structure and function of all living things?
  - a. atom
  - b. molecule
  - c. cell
  - d. bacteria
- 2. Which list correctly shows the levels of organization in an organism from smallest to largest?
  - a. cells – organs – tissues – systems – organism
  - b. cells – tissues – organs – systems – organism
  - c. organs – tissues – systems – cells – organism
  - d. organism – cells – tissues – organs – systems
- 3. In which level of organization do the esophagus, stomach, and intestines belong?
  - a. cell
  - b. tissue
  - c. molecule
  - d. organ
- 4. Which organ system is responsible for breaking down and absorbing food molecules?
  - a. reproductive system
  - b. immune system
  - c. digestive system
  - d. circulatory system

5. Which of the following best displays an ecosystem?
  - a. humans living with their pet dogs
  - b. a pride of lions living inside a cave
  - c. a shrimp helping a goby fish to look for food
  - d. a herd of cows and flock of chickens being taken care of by a farmer
6. In terms of biological organization, which levels do bacterium and humans fall under?
  - a. a bacterium is a cell; while humans are organisms
  - b. a bacterium is a cell; while humans are community
  - c. a bacterium is a tissue; while humans are organisms
  - d. a bacterium is a tissue; while humans are community
7. What kind of cell can you find in the heart?
  - a. epithelium cell
  - b. red blood cell
  - c. sperm cell
  - d. muscle cell
8. What do you call the tiny organs in cells?
 

a. organisms	c. organ system
b. organelles	d. organ
9. What do you call the group of tissues working together to carry out a job?
 

a. organ system	c. organ
b. cell	d. organism
10. Which organ system do nose, trachea, and lungs belong to?
 

a. digestive system	c. reproductive system
b. circulatory system	d. respiratory system

III. Compare animal and plant cells. Drag and drop the sentences on the correct box.

It has chloroplast, or the site for photosynthesis.	Smaller in size	Larger in size	Cell walls are absent.
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Animal Cell	Plant Cell