

## Cell Biology

Name:

### Cell Functions Practice Questions

Period:

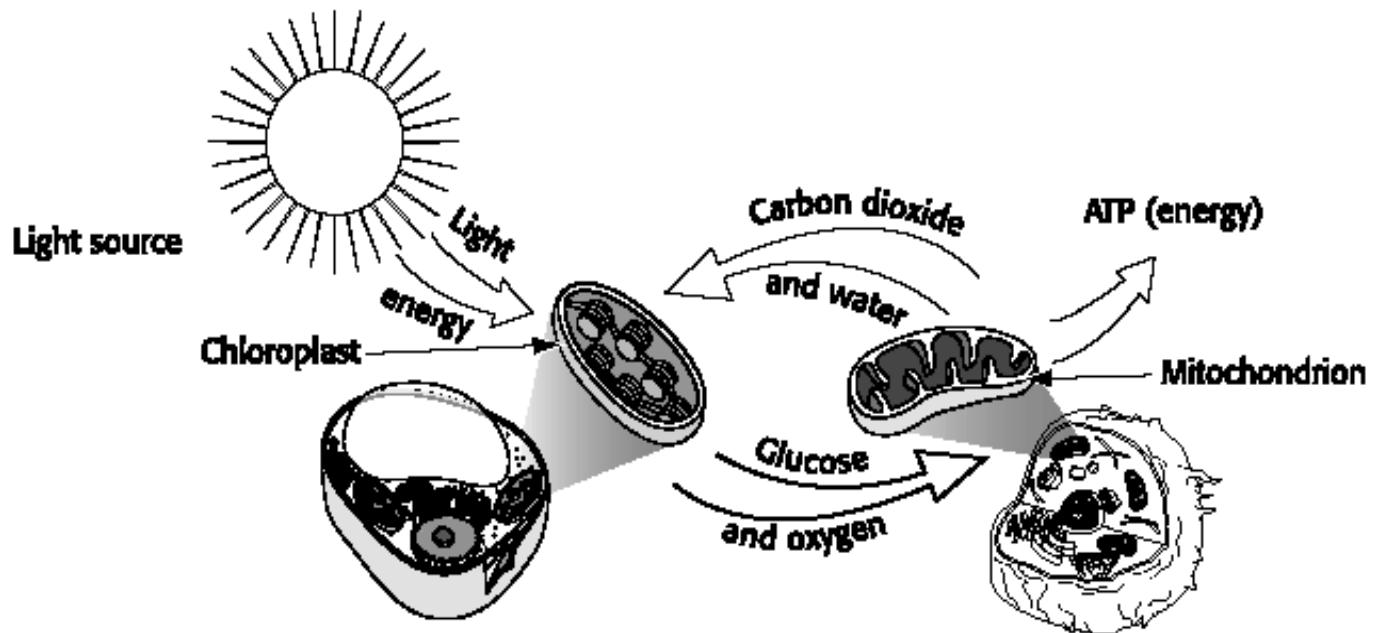
*Try these practice questions by first using just your brain. Then make sure you got the answers right by checking in Chapter 5, Section 1, and Chapter 13, Section 1.*

- \_\_\_\_\_ 1. Which of the following structures capture sunlight energy for photosynthesis?  
a. chloroplasts      b. cuticles      c. vacuole      d. stomata
- \_\_\_\_\_ 2. What is the process that plants use to make their own food called?  
a. cellular respiration      b. transpiration      c. condensation      d. photosynthesis
- \_\_\_\_\_ 3. Which of the following is NOT used by plants to make food?  
a. sunlight      b. pollen      c. carbon dioxide      d. water
- \_\_\_\_\_ 4. What is the green pigment in plants called?  
a. chloroplast      b. chlorophyll      c. glucose      d. stoma
- \_\_\_\_\_ 5. Which of the following gases do plants and animals need for cellular respiration?  
a. carbon monoxide      b. helium      c. methane      d. oxygen
- \_\_\_\_\_ 6. What do all cells need in order to live?  
a. sunlight      b. exercise      c. energy      d. shelter
- \_\_\_\_\_ 7. Which of the following is the food that plants make for themselves?  
a. salt      b. carbon dioxide      c. chlorophyll      d. glucose
- \_\_\_\_\_ 8. In eukaryotic cells, where does cellular respiration mostly take place?  
a. in the cell membrane      b. in the mitochondrion      c. in the chloroplast      d. in the fluids
- \_\_\_\_\_ 9. What is the hereditary material inside a cell called?  
a. ATP      b. nuclei      c. DNA      d. mitosis
- \_\_\_\_\_ 10. How do most complex organisms get their energy?  
a. through eating      b. through cellular respiration      c. through sleeping      d. through breathing

*more questions on the back*



Use the figure below to answer questions 11 and 12. Write the letter of the correct answer in the space provided.



- \_\_\_\_\_ 11. Look at the figure. Which two processes does it show?
- photosynthesis and breathing
  - breathing and growing
  - growing and cellular respiration
  - photosynthesis and cellular respiration
- \_\_\_\_\_ 12. Look at the figure. What does cellular respiration release in addition to energy?
- carbon dioxide and oxygen
  - carbon dioxide and glucose
  - carbon dioxide and sweat
  - carbon dioxide and water