

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



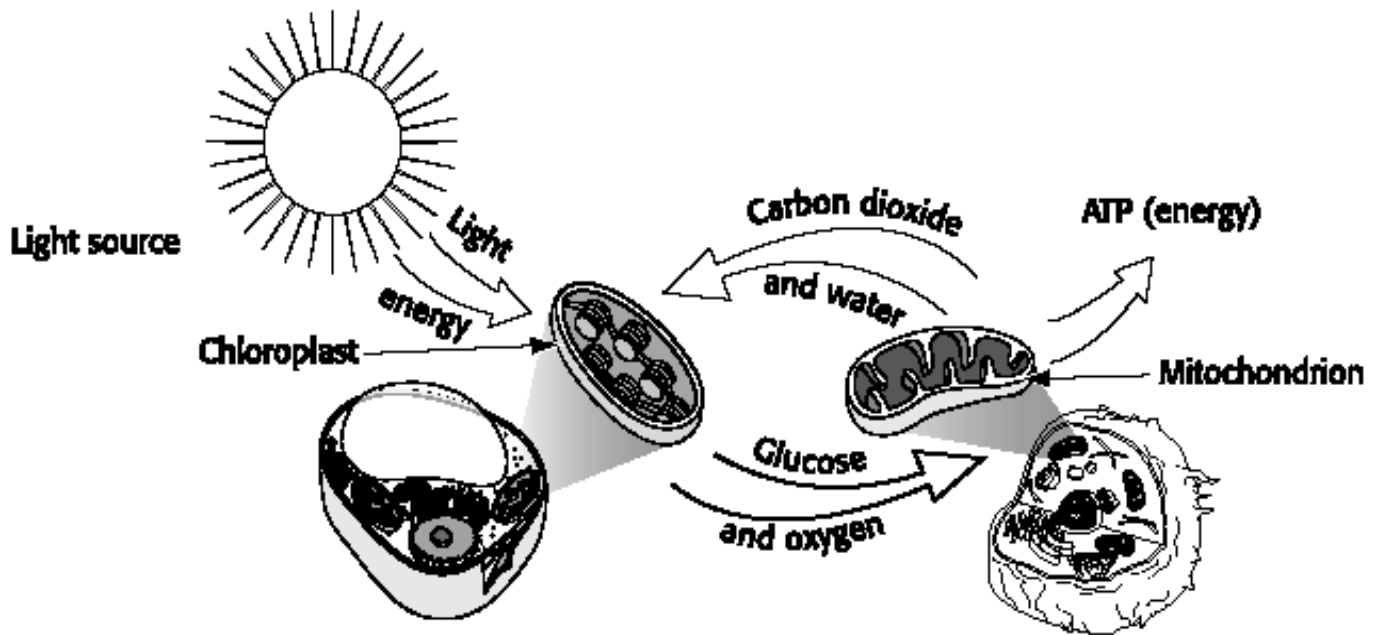
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Use the figure below to answer questions 11 and 12. Write the letter of the correct answer in the space provided.



- _____ 11. Look at the figure. Which two processes does it show?
- a. photosynthesis and breathing
 - b. breathing and growing
 - c. growing and cellular respiration
 - d. photosynthesis and cellular respiration

- _____ 12. Look at the figure. What does cellular respiration release in addition to energy?
- a. carbon dioxide and oxygen
 - b. carbon dioxide and glucose
 - c. carbon dioxide and sweat
 - d. carbon dioxide and water