

Name: _____

Date: _____

OXYGEN CYCLE SCIENCE WORKSHEET

Topic: *The Oxygen Cycle*

Instructions: *Choose the best answer for each question.*

1. What is the primary source of oxygen?

- A) Respiration of animals
 - B) Photosynthesis by plants and algae
 - C) Volcanic eruptions
 - D) Evaporation of water
-

2. During which process do plants release oxygen?

- A) Photosynthesis
 - B) Respiration
 - C) Decomposition
 - D) Nitrogen fixation
-

3. Which organisms play the largest role in absorbing carbon dioxide and producing oxygen?

- A) Fungi
 - B) Marine algae and trees
 - C) Herbivores
 - D) Bacteria and viruses
-

4. What is the process called when animals and humans use oxygen to convert food into energy?

- A) Photosynthesis
 - B) Fermentation
 - C) Cellular respiration
 - D) Decomposition
-

5. Which of the following is a way that oxygen is returned to the atmosphere?

- A) Cellular respiration
 - B) Photosynthesis
 - C) Combustion
 - D) All of the above
-

6. What happens to oxygen in the process of cellular respiration?

- A) It is absorbed by plants
 - B) It is released back into the atmosphere
 - C) It is used to break down glucose and produce energy
 - D) It is turned into water vapor
-

7. Which of these is NOT part of the oxygen cycle?

- A) Photosynthesis
 - B) Combustion
 - C) Condensation
 - D) Respiration
-

8. What percentage of the Earth's atmosphere is made up of oxygen?

- A) 21%
 - B) 78%
 - C) 50%
 - D) 33%
-

9. How do oceans contribute to the oxygen cycle?

- A) They release carbon dioxide into the atmosphere
 - B) They store most of the planet's oxygen
 - C) They absorb oxygen but do not release it
 - D) Marine plants produce oxygen through photosynthesis
-

10. Which human activity increases the amount of oxygen consumption?

- A) Cutting down trees (deforestation)
 - B) Combustion of fossil fuels
 - C) Planting forests
 - D) Building dams
-

Answer Key:

1. B
2. A
3. B
4. C
5. D
6. C
7. C
8. A
9. D
10. B