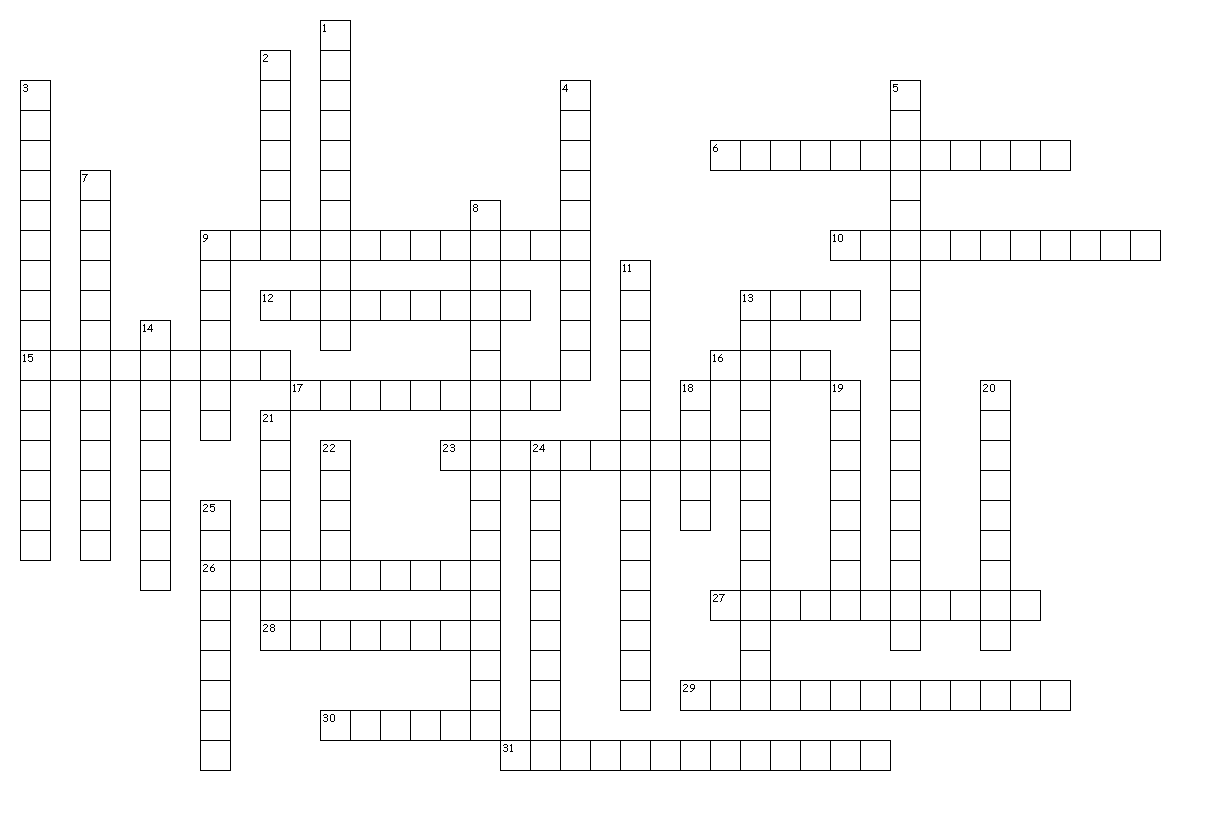


# **THE CARBON CYCLE**

# **Crossword Puzzle**



**Across**

6. In this process carbon can be moved from one biotic component

in the food web to the next.

9. Carbon dioxide is an example of a \_\_\_ because it traps heat in

the atmosphere and increases our global temperatures.

10. This pigment is used to capture sunlight during photosynthesis.

12. Decomposers turn detritus to \_\_\_ which then get assimilated by

producers.

13. This is partially decomposed plant matter that can be found in

bogs and swamps.

15. A carbon \_\_\_ is a storage area for carbon. It keeps it from

combining with oxygen and forming carbon dioxide.

16. This solid fossil fuel is found through digging into the land, and

often through the removal of mountains.

17. Another term for oil is \_\_\_ .

23. \_\_\_ are non-renewable energy sources created from the

remains of ancient plants and animals.

26. This fossil fuel is composed mainly of methane gas, and it can

be transported using pipelines across the country.

27. These organisms turn detritus into nutrients in the soil.

28. \_\_\_ provides the energy for photosynthesis.

29. This process converts dead remains into fossil fuels.

30. During photosynthesis, \_\_\_ as well as glucose are produced as

products.

31. \_\_\_ and water are the reactants of photosynthesis.

**Down**

1. Carbon can be found dissolved in water as carbonate and \_\_\_

2. This gas has the formula CH4.

3. Much of the carbon found in oceans is combined with calcium and

oxygen to form this compound which can be found in seashells.

4. This process adds carbon dioxide to the atmosphere through the

burning of fossil fuels and trees.

5. This process is performed by all living things and it allows them to

convert glucose into energy.

7. This is the process of removing all the trees from an area of land.

8. \_\_\_ and \_\_\_ are two processes that convert living things into

detritus and nutrients.

9. C6H12O6 is called \_\_\_ and is a product of photosynthesis.

11. A person’s \_\_\_ represents the amount of greenhouse gases that

he/she produces through all the activities they engage in.

13. This process is used by plants in order to create glucose.

14. These organisms perform photosynthesis.

18. The pigment chlorophyll is this colour.

19. Unlike consumers, producers and detritus, fossil fuels represent

a \_\_\_ carbon reservoir.

20. Carbon can be stored in \_\_\_ carbon reservoirs like producers,

consumers and detritus.

21. This is the waste matter and remains of once living organisms.

22. During cellular respiration \_\_\_ as well as carbon dioxide are

produced as products.

24. \_\_\_ is the country that produces the most oil in the world.

25. These organisms assimilate carbon from producers as well as

other consumers.