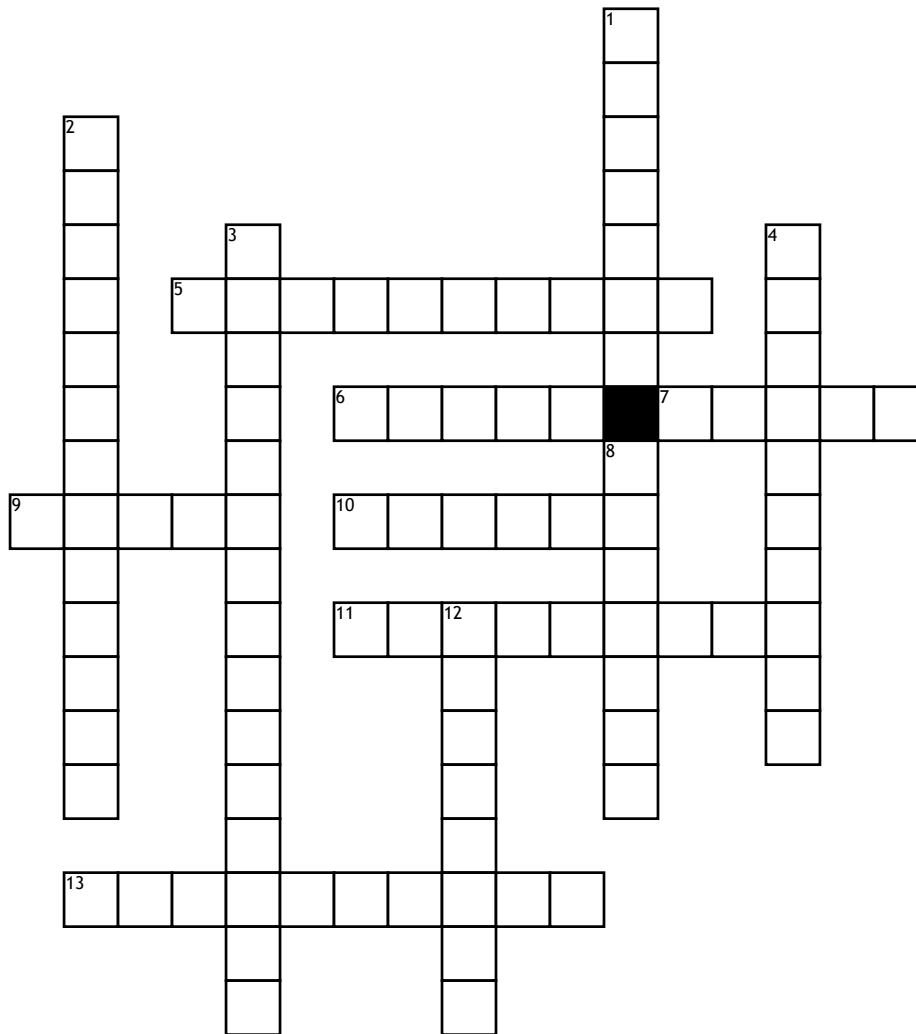


Name: _____

Date: _____

Bioenergetics



Across

5. The definition of this word is - the sum of all the reactions in an organism

6. this is needed for photosynthesis and is obtained through the chloroplasts of the leaf

7. This reactant is required in photosynthesis and is absorbed by the plant through the roots

9. a part of the body that deal with lactic acid to convert it back to glucose

10. a biological catalyst that speeds up a chemical reaction in the body

11. This is a type of respiration that takes place when the body cannot get enough oxygen

13. the break down of molecules

Down

1. This is also written as $C_6H_{12}O_6$

2. this is also known as CO_2

3. this is the rate at which body cells use glucose to transfer energy in a cell

4. this is a waste product of anaerobic respiration if glucose does not breakdown completely

8. This type of respiration requires sufficient amount of oxygen

12. the build up of molecules

Word Bank

catabolism

lactic acid

aerobic

carbon dioxide

liver

anaolism

light

respiration rate

water

enzyme

glucose

anaerobic

metabolism