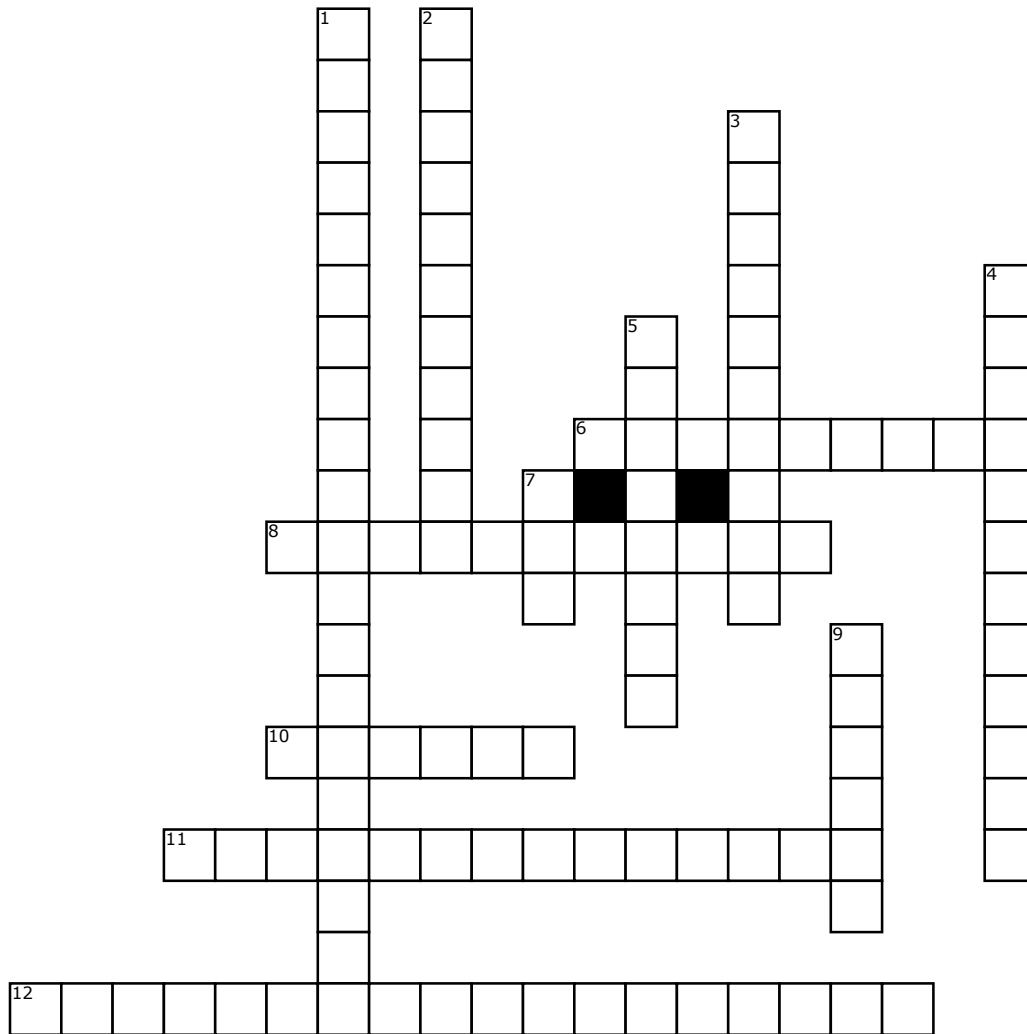


Name: _____

Date: _____

photosynthesis and cellular respiration



Across

6. glucose is broken down in the

8. ingests other organisms to obtain energy

10. the fluid filled space outside the grana

11. are found in the thylakoid membranes

12. light energy converted into chemical energy

Down

1. chemical energy is used to synthesize glucose

2. the process of storing energy in long-term organic molecules such as glucose

3. makes their own food either with energy from sun or from inorganic substances

4. why do cells need energy

5. flattened sac-like membrane

7. stores energy in chemical bonds

9. the ability to do work

Word Bank

energy

ATP

new molecules

Autotrophs

light-independent phase

calvin cycle

Heterotrophs

thylakoids

light-absorbing

stroma

cytoplasm

light-dependent phase