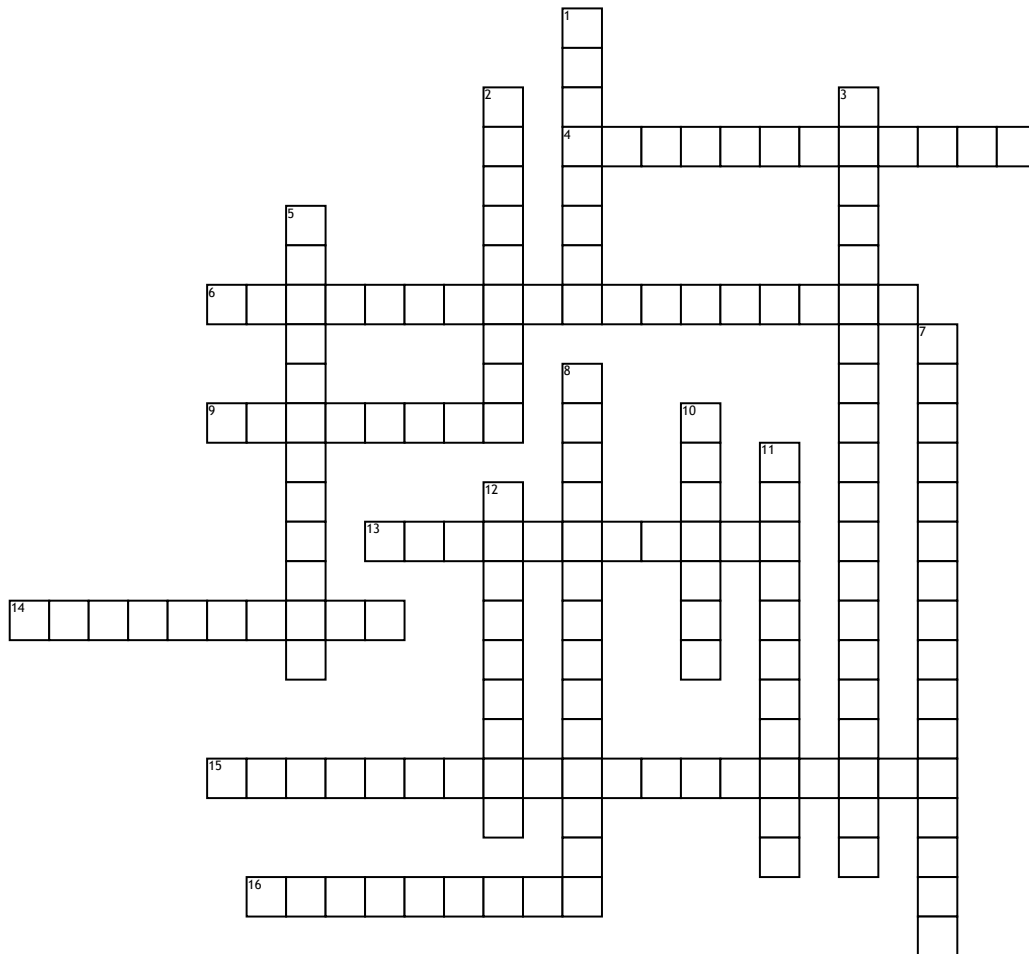


Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Biology Unit 3: Cellular Processes for Energy Crossword Puzzle



### Across

4. The organelle that cellular respiration takes place in  
 6. Turning glucose into ATP WITH the use of Oxygen.  
 9. When enzymes unfold and become unusable it is said that they \_\_\_\_  
 13. A pigment used in photosynthesis; absorbs red/blue light; reflects green  
 14. Other types of pigments that reflect red, orange, yellow, etc  
 15. The process cells use to turn glucose into a form that is usable by the cell (ATP).

16. vitamins that help enzymes do their job

### Down

1. Light capturing molecules  
 2. The substance that the enzyme acts upon.  
 3. Turning glucose into ATP WITHOUT the use of Oxygen.  
 5. A process that certain cells use to turn glucose into ATP without the use of oxygen.  
 7. How much energy a reaction needs to start reacting. Enzymes are used by the body to lower this needed energy allowing reactions to take place faster.

8. The process plants use to make light energy (sunlight) into chemical energy (glucose).

10. A type of protein that helps to speed up chemical reactions in the body  
 11. The organelle that photosynthesis take place in  
 12. minerals that help enzymes do their job

### Word Bank

Activation energy  
 Chloroplast  
 Enzymes  
 Mitochondria

chlorophyll  
 coenzymes  
 denature  
 Carotenoid

Substrate  
 Photosynthesis  
 cofactors  
 pigments

Aerobic Respiration  
 Anaerobic respiration  
 Fermentation  
 Cellular Respiration