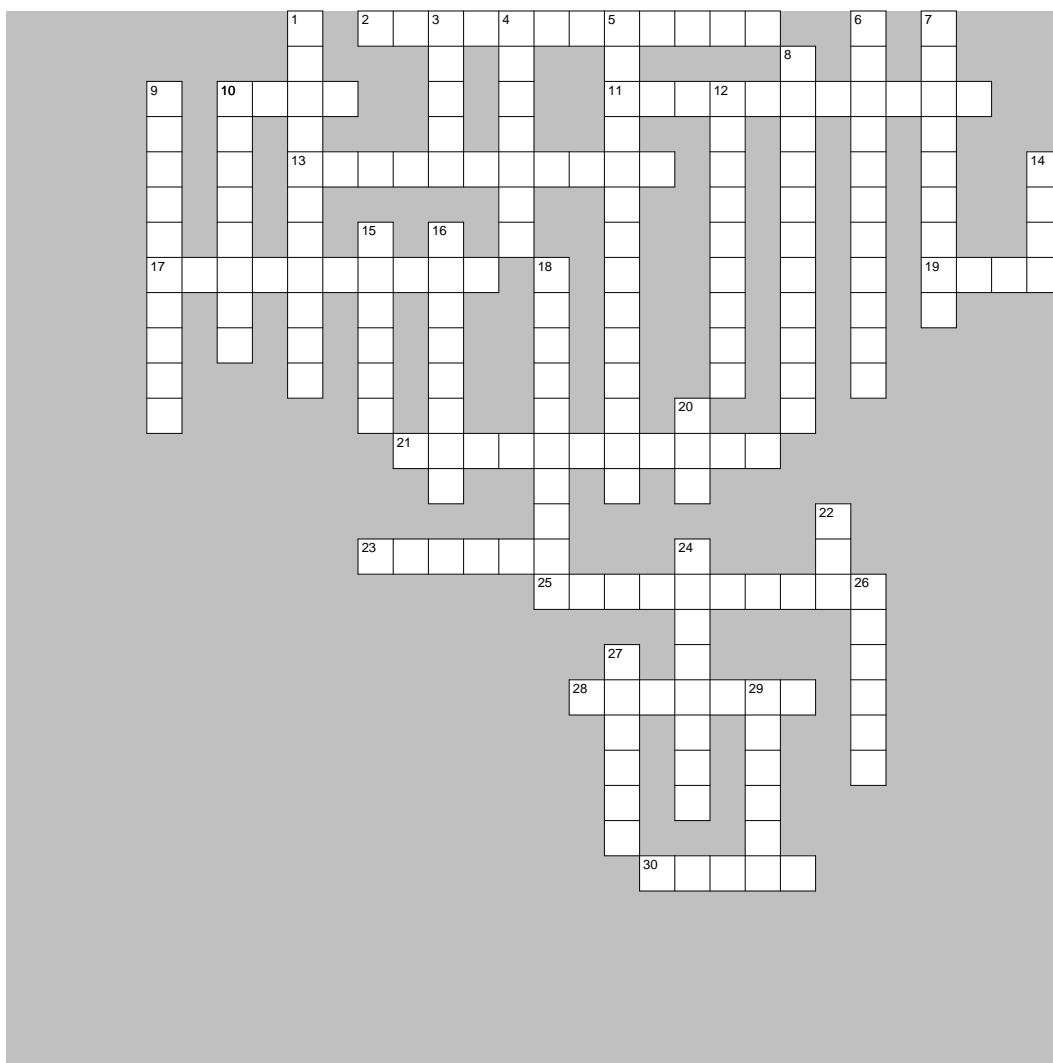


BIO - Ch 8 - New DF Energy & Life



Across

2. Photosynthesis takes place inside the ???
10. Many cells contain a sodium-potassium ???
11. What animal with an exoskeleton is shown at the beginning of the chapter?
13. Energy comes in many forms, including light, heat, and ???
17. Organisms that make their own food are called ???
19. Where does the leopard bite the impala?
21. "White" light is actually a mixture of different ??? of light
23. In photosynthesis, light energy from the Sun is used to convert water and carbon dioxide into ??? and sugars
25. A granum is a stack of ???
28. ATP is like a fully charged ???
30. The number of Phosphate groups in ATP

Down

1. This is one of the factors that can affect the rate of photosynthesis
3. The "Photo" part of photosynthesis means ????
4. The Calvin Cycle does NOT ??? light
5. Which reactions of photosynthesis result in Oxygen (O₂)
6. As hydrogen ions pass through ?????, their energy is used to convert ADP to ATP
7. NADP+ transport ?????
8. This is a light-absorbing molecule used by plants
9. When you are asleep, your cells use energy to make new proteins and ???
10. This scientist found that plants release oxygen
12. This word comes from 2 Greek words meaning "putting together"
14. Energy is the ability to do ???
15. What type of desert tree is shown at the end of the chapter
16. Photosynthesis converts light energy to ??? energy
18. This man found that trees gain most of their weight from water
20. Adenosine triphosphate
22. Chlorophyll b absorbs light in the ??? and red regions of the spectrum
24. This is a pigment that is red and orange (think carrots!)
26. To live, all organisms must release the energy in ???
27. Which cycle of photosynthesis results in sugars?
29. ATP contains a sugar called ???

The "Hydrate" part of carbohydrate refers to what?