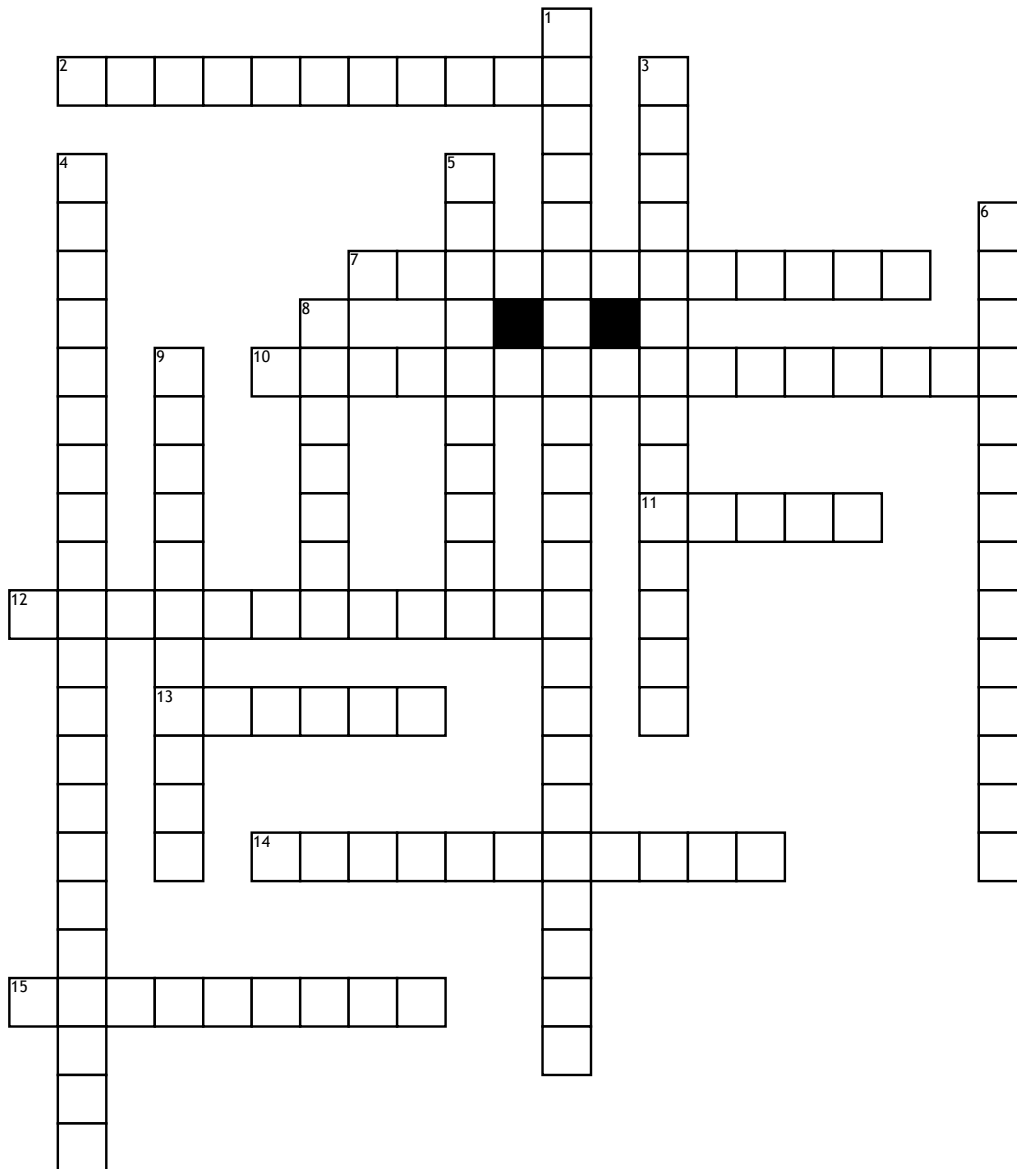


Name: _____

Date: _____

Honors Biology Chapter 8 Vocab



Across

2. the principal pigment of plants and other photosynthetic organisms.

7. organisms that obtain food by consuming other living things

10. a set of reactions in photosynthesis that do not require light' energy from ATP and NADPH is used to build high-energy compounds such as sugar; also called the Calvin cycle.

11. a carrier molecule that transfers high-energy electrons from chlorophyll to other molecules.

12. cluster of proteins that span the thylakoid membrane and allow hydrogen ions (H⁺) to pass through it.

13. the fluid portion of the chloroplast; outside of the thylakoids.

14. the light independent reactions of photosynthesis in which energy from ATP NADPH is used to build high-energy compounds such as sugar.

15. sac-like photosynthetic membranes found in chloroplasts.

Down

1. series of electron carrier proteins that shuttle high-energy electrons during ATP-generating reactions.

3. a set of reactions in photosynthesis that use energy from light to produce ATP and NADPH.

4. most important compounds that cells use to store and release energy

5. organisms that make their own food

6. process by which autotrophs use the energy of sunlight to produce high-energy carbohydrates----sugars and starches-----that can be used as food

8. light absorbing molecules used by plants that gather the sun's energy.

9. cluster of chlorophyll and proteins found in thylakoids.