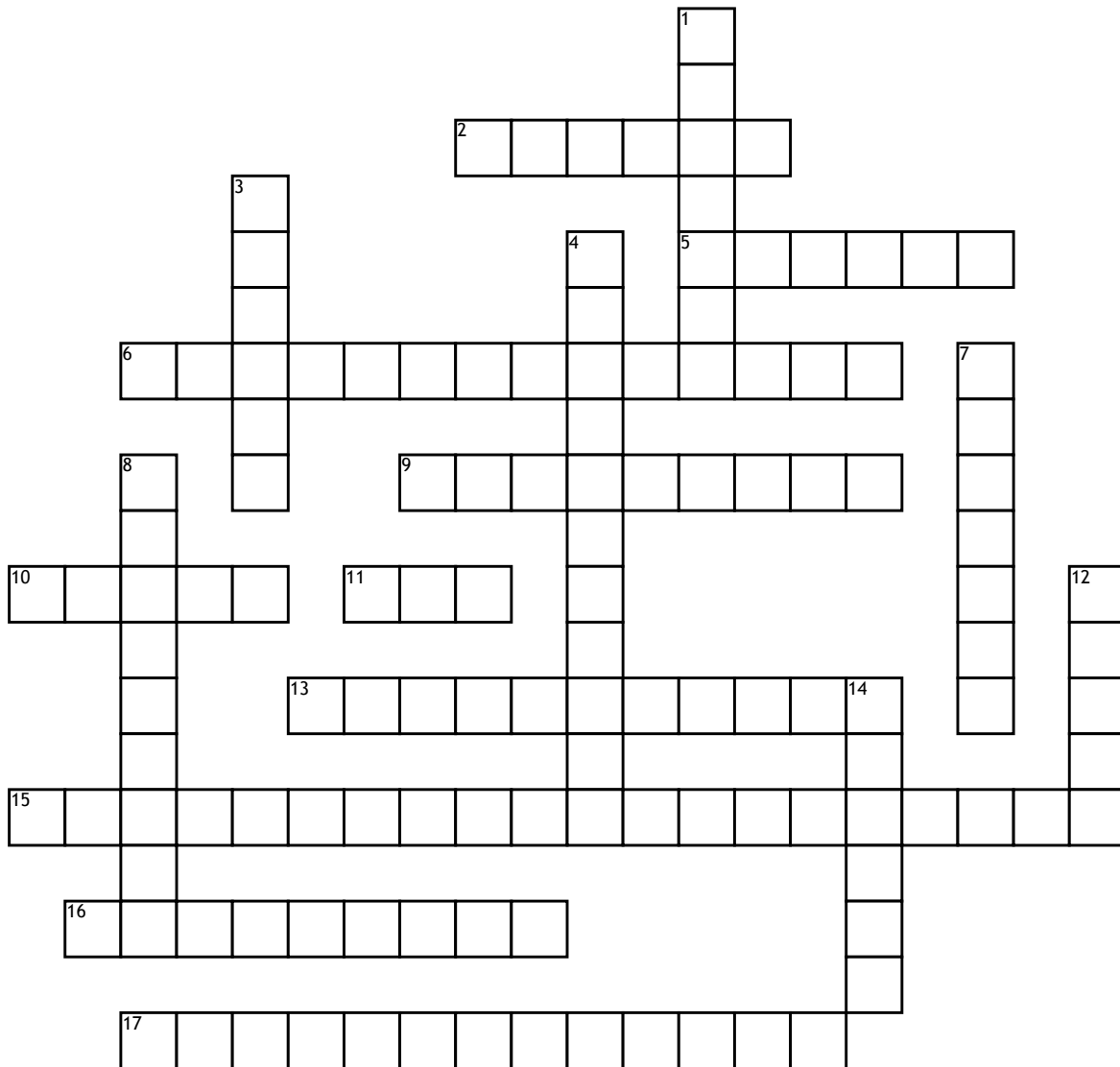


Name: _____

Date: _____

Period: _____

Photosynthesis Crossword



Across

2. Stacks of thylakoids

5. By-product of light-dependent reactions

6. Process by which plants and bacteria use energy from the sun to produce sugar

9. These cell surround the stomata

10. Molecule that is split in the inner thylakoid membrane that supplies electrons to photosystem I and II

11. How many carbon dioxide molecules go into make one molecule of glucose?

13. Pigment that absorbs sunlight in the thylakoid membrane

15. Process that converts ADP to ATP using enzymes in the inner thylakoid space or lumen

16. Place where the light-dependent reactions occur

17. This molecule is being "fixed" during the Calvin cycle.

Down

1. Main product of photosynthesis

3. Where the Calvin cycle takes place, light independent reactions

4. Another name for an organism that gets its energy from eating other living things

7. specialized structure that allows water vapor and gases enter and leave the leaf

8. Another name for a producer

12. Chlorophyll absorbs every color of the ROYGBIV except

14. Part of the plant where the majority of photosynthesis takes place