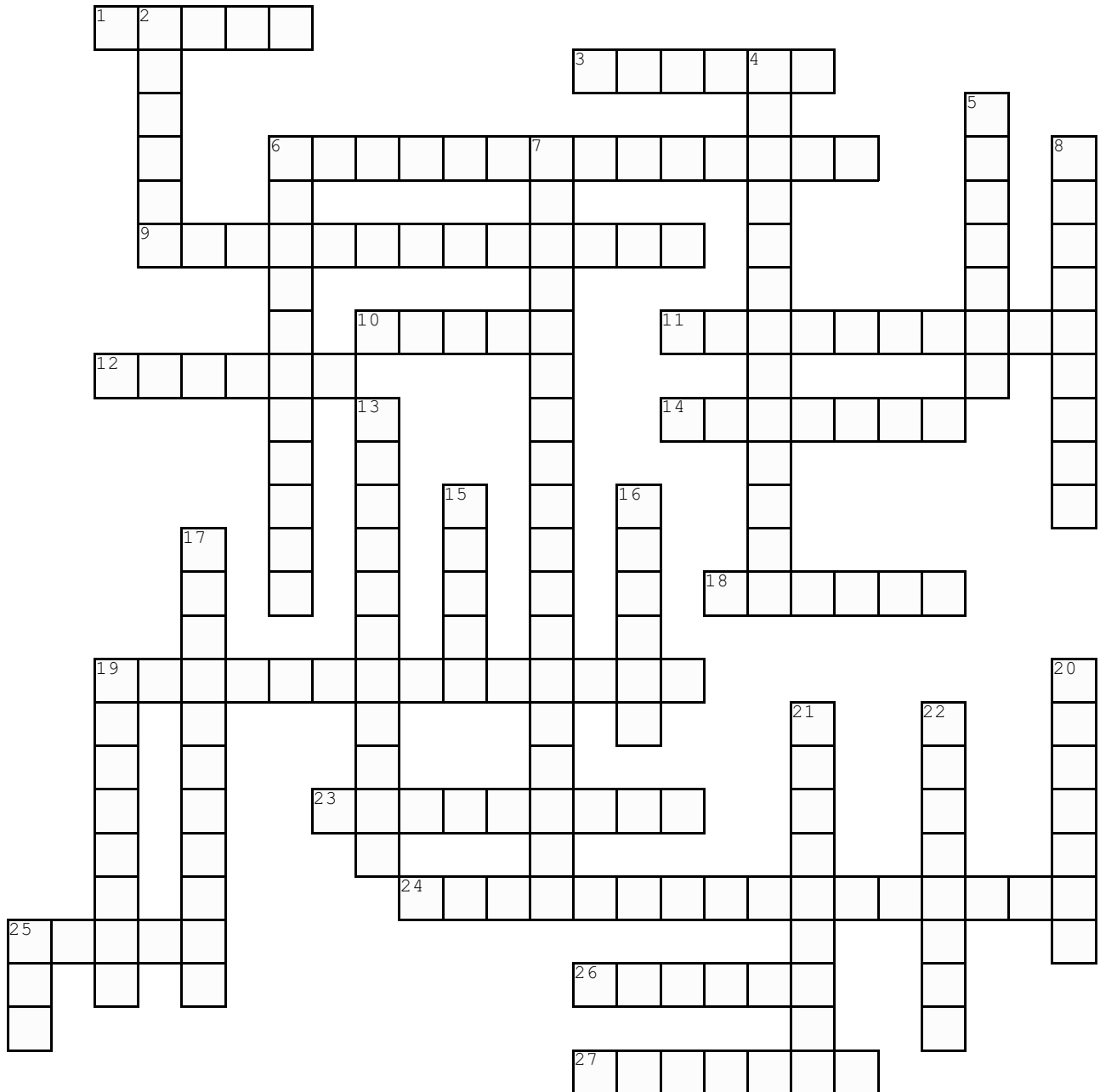


Name: _____

Photosynthesis Review

Complete the crossword below. Keep in mind that there are no spaces between words in your answers. For instance, if an answer is "kinetic energy," the crossword answer will be "kineticenergy."



Created with TheTeachersCorner.net Crossword Puzzle Generator

glucose carotene increases absorptionspectrum photons different nuclearfusion

water yellow sun anthocyanin night chloroplast photosynthesis redandblue

oxygen stems vibrant visible decreased produced chemicalreaction

chemicalenergy starch chlorophyll acidic carbon carbondioxide lower plants

Across

1. a pH _____ than 7 is considered acidic
3. hundreds of glucose molecules bind together to form large _____ molecules
6. starch is a form of stored _____
9. photons from _____ provide energy for photosynthesis
10. plants need carbon dioxide, sunlight, and _____ to live
11. chlorophyll absorbs mostly _____ wavelengths
12. most of a plant's mass comes from _____, which is taken from gas in the air
14. particles of light energy necessary for photosynthesis
18. carotene is a _____ pigment
19. the process by which plants, algae, and some bacteria convert light energy into chemical energy for growth
23. autumn leaves have _____ combinations of colors
24. $6\text{CO}_2 + 6\text{H}_2\text{O} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2$ is the _____ for photosynthesis
25. chloroplast are located in both the leaves and _____ of a plant
26. _____ are the main source of oxygen on Earth
27. a sugar produced by plants during photosynthesis

Down

2. _____ is a gas that is a product of photosynthesis reactions
4. _____ is a gas that is necessary for photosynthesis
5. when chlorophyll begins to disappear, the carotene pigment becomes more _____
6. a green pigment concentrated in the chloroplasts of plant cells
7. the types of wavelengths that a substance is able to absorb
8. in the presence of light, carbon dioxide levels _____ in water containing Elodea
13. _____ is a red pigment produced mostly in autumn
15. as the length of _____ increases, chlorophyll production slows down
16. adding carbon dioxide to water makes water more _____
17. organelle found in the cytoplasm of plant cells which is responsible for photosynthesis
19. in the presence of light, Elodea _____ more oxygen
20. good weather and water conditions cause _____ red colors in the fall
21. as chlorophyll production decreases, anthocyanin production _____
22. the _____ pigment protects plant cells from harmful photosynthesis byproducts
25. nuclear fusion occurs in the _____