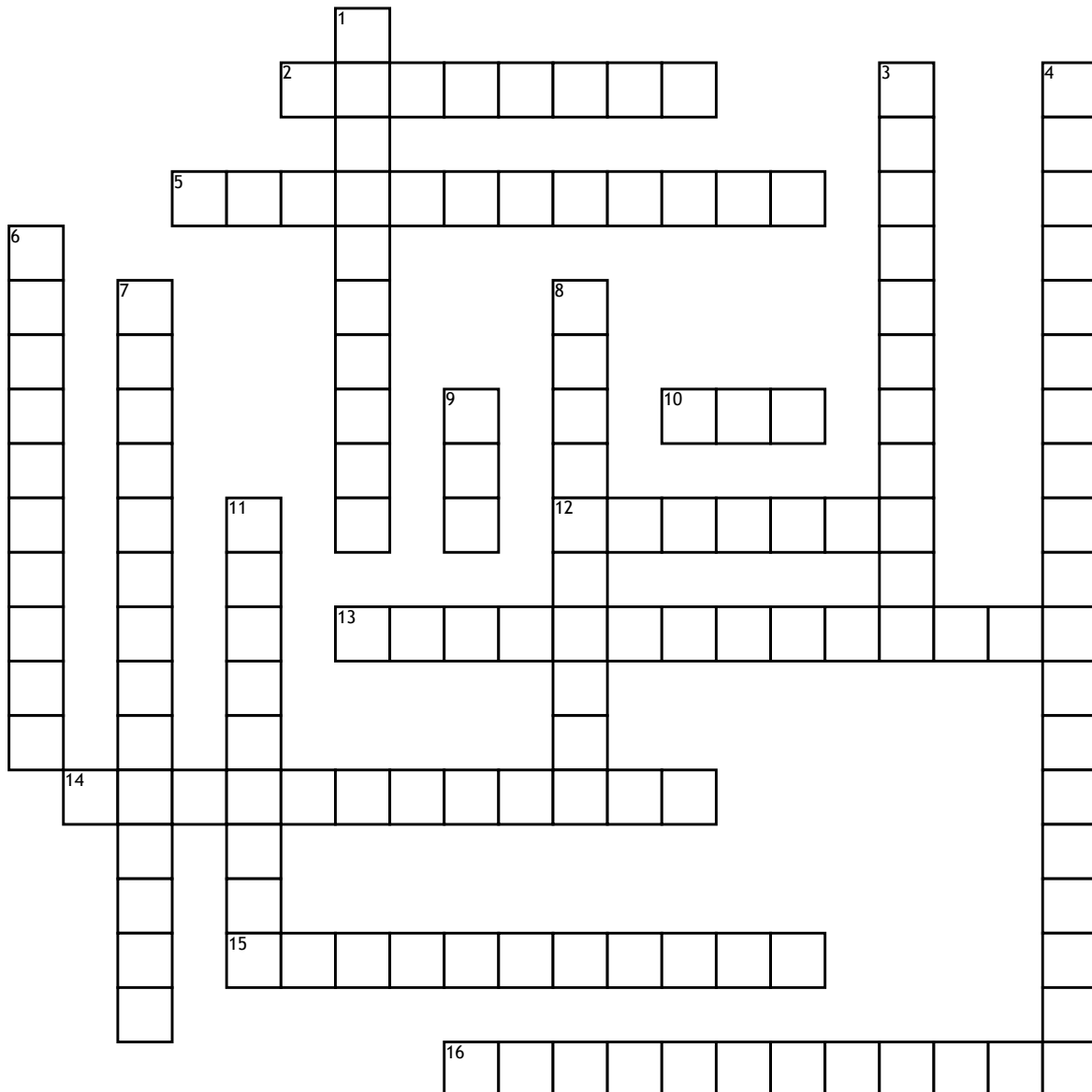


Name: _____

Date: _____

Chapter 4 Biology Crossword



Across

- 2. measures of energy
- 5. two groups of molecules that capture and transfer energy
- 10. a molecule that transfers energy from the breakdown of food molecules to cell processes
- 12. oxygen is needed for a process to take place
- 13. process by which organisms use chemical energy instead of light energy
- 14. where photosynthesis in plants take place

15. a molecule in chloroplasts that absorb some of the energy in visibly light

16. removes electrons from NADH molecules

Down

- 1. causes muscles to "burn"
- 3. carbon dioxide from atmosphere and the energy carried by ATP and NADPH to make simple sugars
- 4. releases chemical energy from sugars and other carbon based molecules

6. splits glucose into two three-carbon molecules

7. process that captures energy from sunlight to make sugars

8. coin-shaped, membrane enclosed compartments

9. a lower-energy molecule that can be converted into ATP by the addition of a phosphate group

11. oxygen is not needed for a process to take place