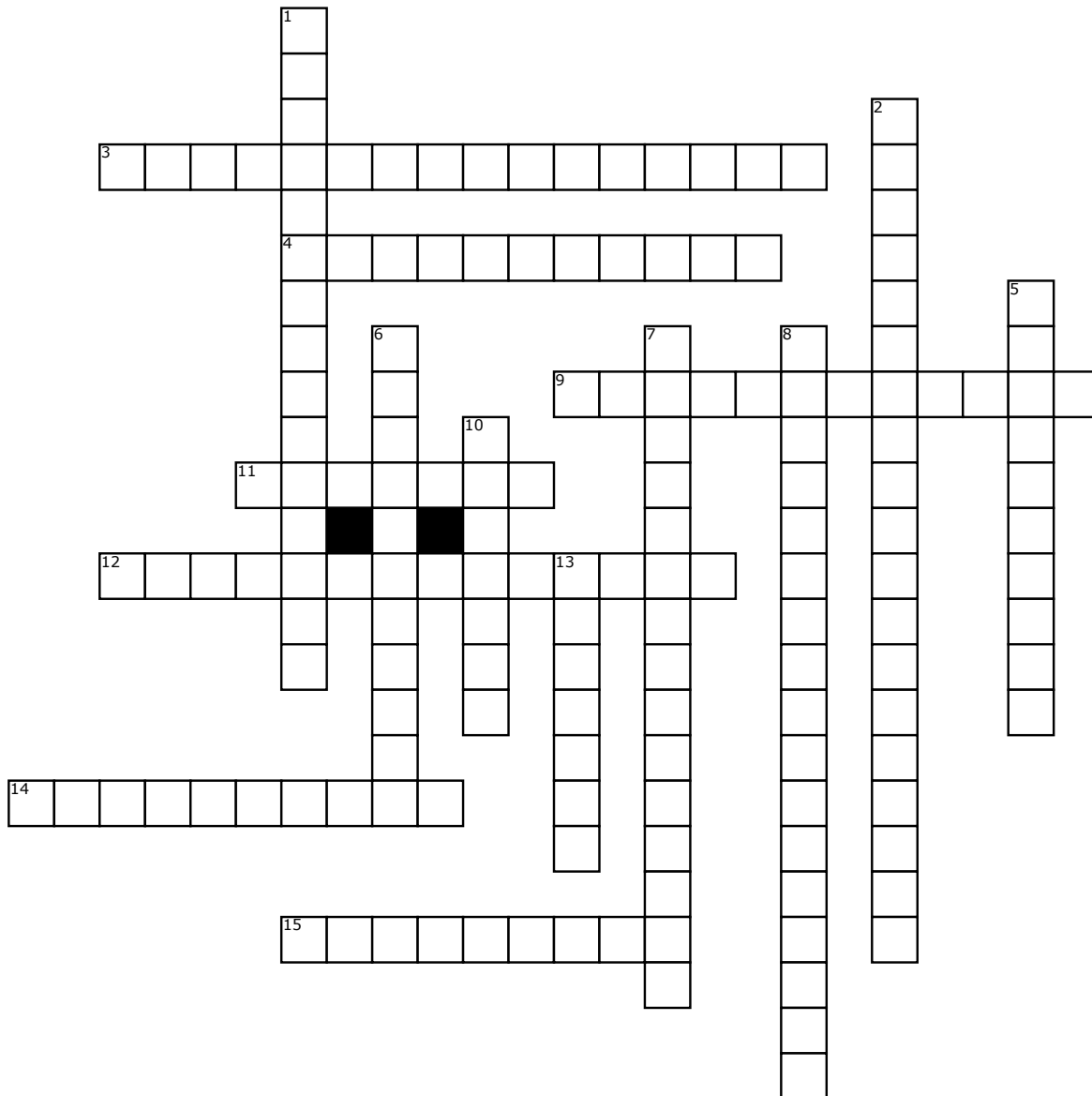


Chapter 3 Science Review



Across

- 3.** movement of substances through the cell membrane without energy
4. concentrations inside and outside are equal
9. cells do not have enough oxygen they use this process to release some of the energy stored in glucose molecules
11. diffusion of water
12. producers use light energy to carry out this process
14. total of all chemical reactions

- 15.** movement of molecules from a crowded area to a less crowded area.

Down

- 1.** Movement of a substance across a cell membrane with the use of energy
2. chemical reactions occur that break down food molecules into simpler substances and release their stored energy
5. contents of a vesicle can be released by a cell using this process

- 6.** process of taking substances into a cell by surrounding it with cell membrane
7. contains carbon and hydrogen and associated with living things
8. are not made from carbon ex. Water
10. combination of substances that retain their own properties
13. certain proteins that regulates nearly all chemical reactions in the body