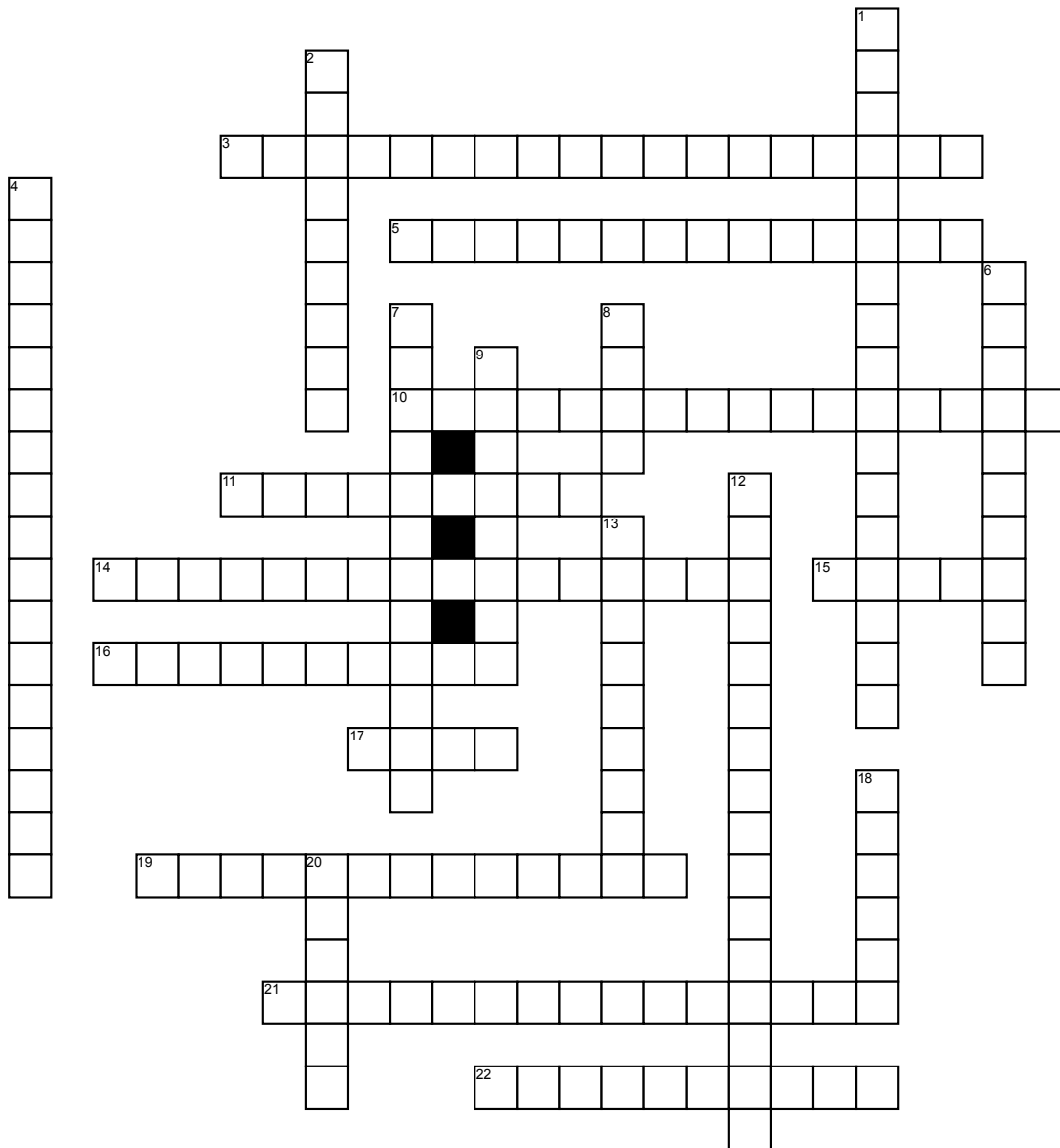


Chapter 1 Vocab Review



Across

- 3.** Atoms of one element combine with atoms of another element in simple, whole number ratios to form a compound
5. Composed of only one type of atom or molecule
10. Process for understanding nature by observing nature and its behavior, and conducting experiments to test our ideas
11. Science that seeks to understand the behavior of atoms and molecules
14. One that a substance displays only through changing its composition
15. Sub-microscopic particles that constitute the fundamental building blocks of ordinary matter

- 16.** First to suggest the idea of the atom

- 17.** The action of a force through a distance

- 19.** Energy due to the motion of an object

- 21.** Energy due to position

- 22.** Mixture of an insoluble solid and liquid is poured through some type of filter

Down

- 1.** In a chemical reaction, matter is neither created nor destroyed

- 2.** Bind to other atoms in specific geometrical arrangements

- 4.** More stable and are favored

- 6.** Educated guess

- 7.** A mixture is heated to boil off the more volatile liquid

- 8.** Observations are also known as

- 9.** Contain several substances with proportions that vary from one sample to another

- 12.** Characteristic that a substance displays without changing the overall composition

- 13.** Carefully pouring off a liquid into another container

- 18.** Fundamental part of change, capacity to do work

- 20.** A model for the way nature is and tries to explain what nature does, and why