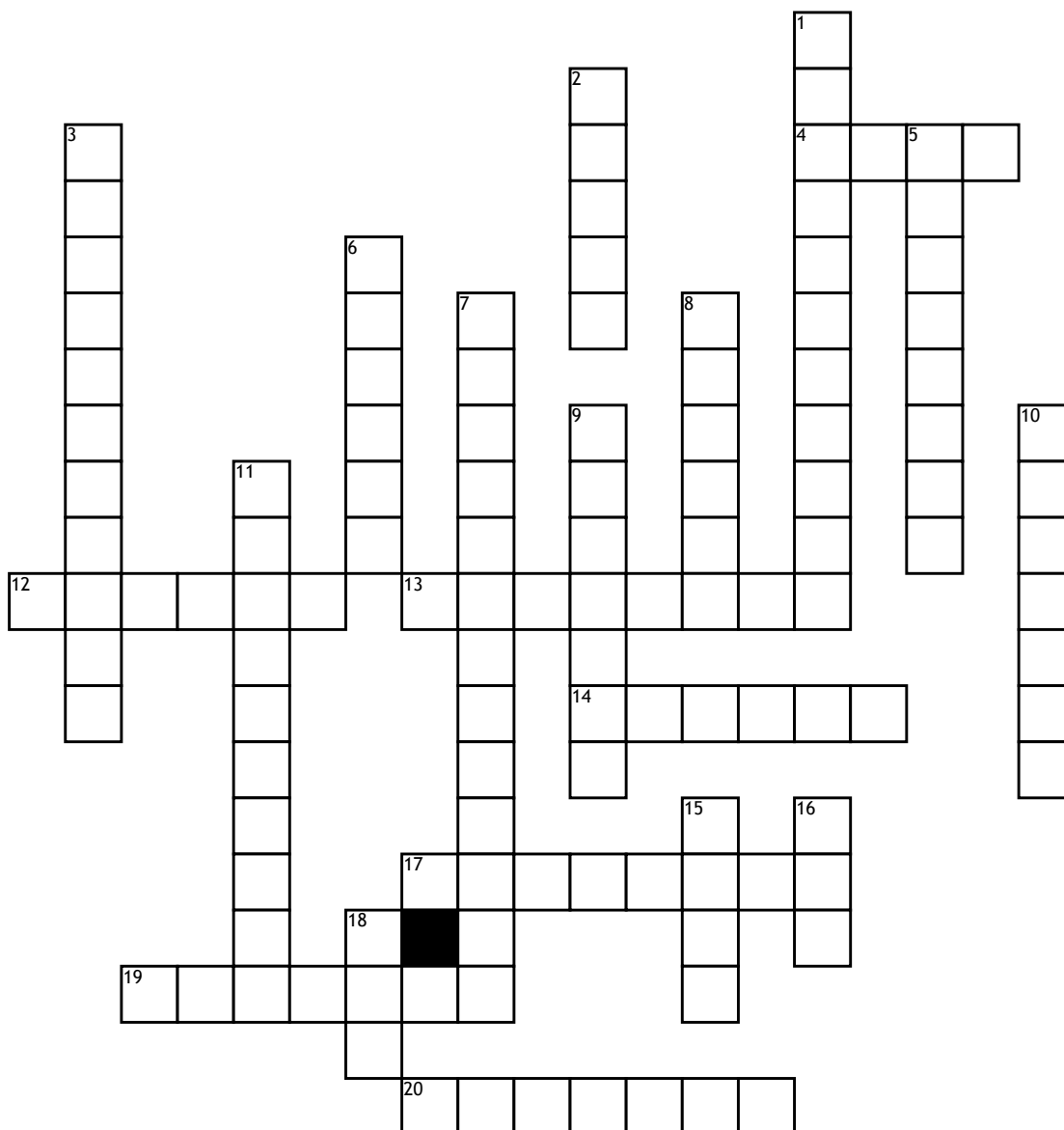


Name: _____

Date: _____

States of matter Kinetic molecular theory



Across

4. amount of matter in a substance
 12. mass divided by density...also the amount of space something takes up
 13. ____ can be separated by physical processes
 14. the motion of particles in a gas is rapid, constant, and ____
 17. two or more types of atoms that are chemically bonded together
 19. mass divided by volumes
 20. ____ is composed of only one type of atom

Down

1. mixtures are either heterogeneous or ____
 2. gas particles fill the ____ of their container -travel in a straight path until a collision
 3. ____ are murky and separate on standing
 5. homogeneous mixture is a ____
 6. temperature is the ____ or intensity of heat or cold present in a substance or object,
 7. all matter consists of tiny particles that are in constant motion

8. Subtract energy=particles move ____=matter contracts
 9. matter can be classified as either a pure substance or a
 10. ____energy is transferred during a collision
 11. a pure substance has a definite ____
 15. a ____ substance can be either an element or a compound
 16. ____energy=particles move faster=matter expands
 18. the particles in a ____ are considered to be small, spheres with an insignificant volume -a lot of empty space