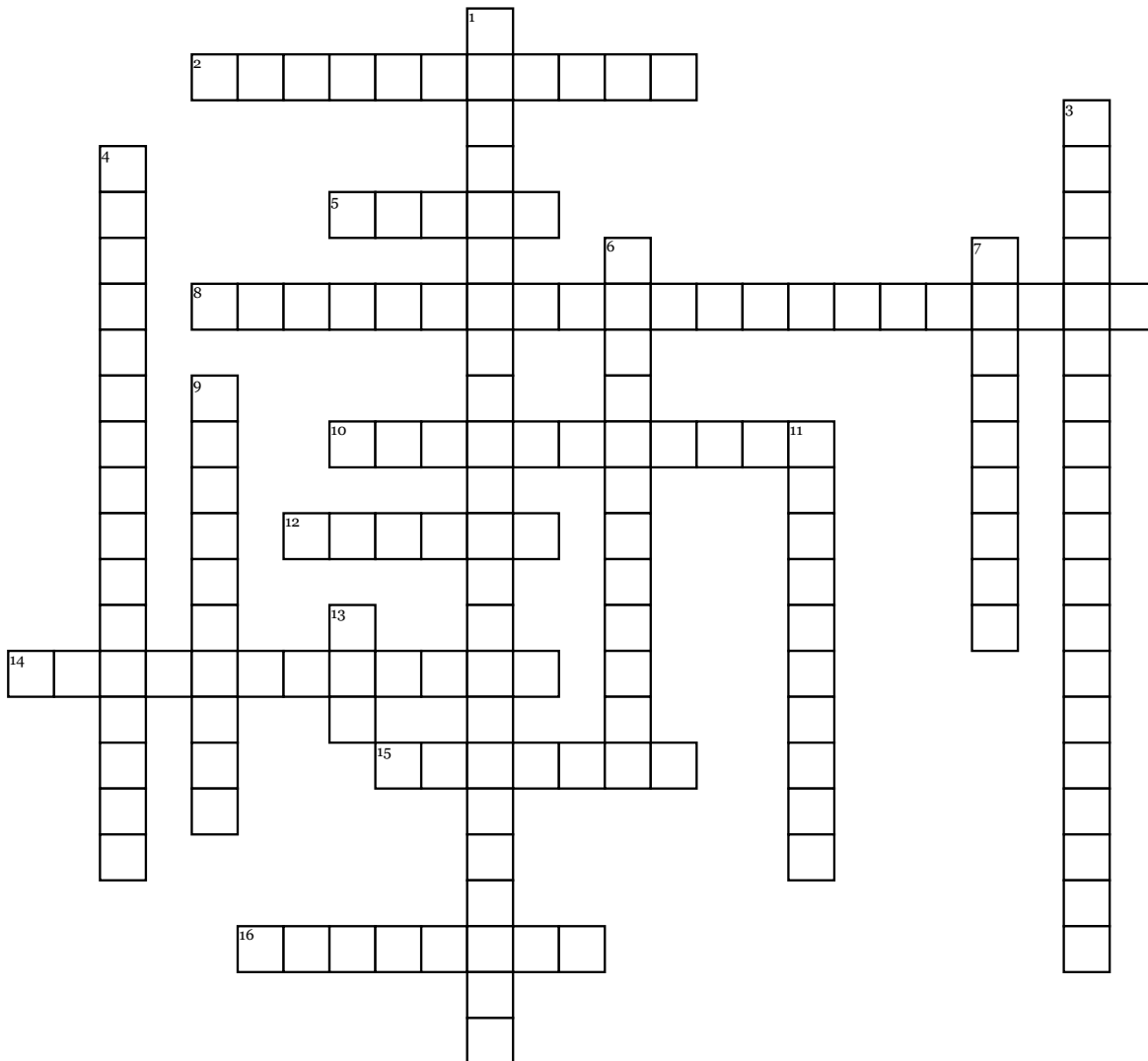


Name: _____

Date: _____

Chapter 3 Phases of Matter



Across

2. Phase change from a solid to a gas

5. Matter that has a definite shape and volume

8. Fixed in place, packed tightly

10. Heat is absorbed

12. Matter that has no definite shape but a definite volume

14. Phase change from a liquid to a gas

15. Phase change from solid to a liquid

16. Phase change from a liquid to a solid

Down

1. Constant motion, closer together, less kinetic energy

3. Constant, random motion

4. A property that can be observed without changing the identity of the substance.

6. Phase change from a gas to a liquid

7. The volume of a fixed mass of gas varies inversely with the pressure at constant temperature

9. Heat is released

11. The volume of a fixed mass of gas at constant pressure varies directly with the Kelvin temperature scale

13. Matter that has no definite shape or volume