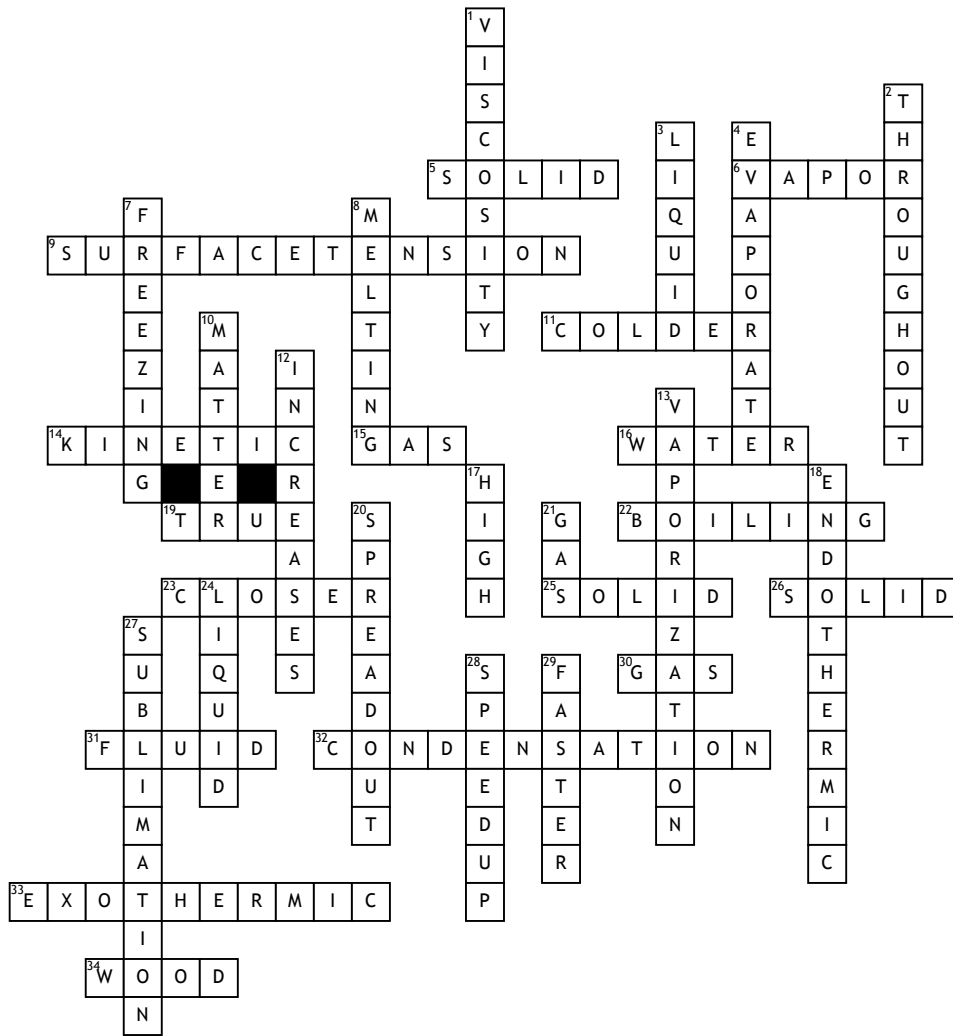


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# States of Matter/Phase Changes - Review



## Across

5. what state of matter has particles that only vibrate  
 6. another word for gas is  
 9. an inward pull of water molecules creating a "skin" is called \_\_\_\_\_  
 11. If you slow water molecules down, they will most likely become \_\_\_\_\_  
 14. Energy that comes from movement is called \_\_\_\_\_ energy  
 15. no definite volume or shape  
 16. What has less energy, water or steam?  
 19. True or False: Condensation is the opposite of vaporization?  
 22. the two types of vaporization are evaporation and \_\_\_\_\_  
 23. cooling matter causes the particles to get \_\_\_\_\_ together  
 25. definite shape and definite volume  
 26. Which state of matter has the least kinetic energy?  
 30. which state of matter has the most kinetic energy?  
 31. a substance that flows is called

32. the phase change from a gas to a liquid is called  
 33. the release of heat is called  
 34. What has the most ordered particle arrangement, water or wood?

## Down

1. a resistance to flowing is called  
 2. unlike evaporation, boiling occurs \_\_\_\_\_ a liquid  
 3. what state of matter has particles that are close together but can slide past one another  
 4. If the sun heats up the surface of a puddle, the water will \_\_\_\_\_  
 7. when a substance goes from a liquid to a solid  
 8. if heat is absorbed by ice, what phase change occurs?  
 10. anything that takes up space and has mass is called \_\_\_\_\_  
 12. In general, as heat energy increases, temperature \_\_\_\_\_  
 13. the phase change from a liquid to a gas is called  
 17. honey has a \_\_\_\_\_ viscosity  
 18. the absorption of heat is called  
 20. when heat is added to molecules, they begin to speed up and \_\_\_\_\_  
 21. what state of matter has particles that are very far apart  
 24. definite volume but no definite shape  
 27. What process takes a solid to a gas?  
 28. What do the particles do when you heat them up?  
 29. heating matter causes the particles to move \_\_\_\_\_

## Word Bank

high	kinetic	gas	faster	surfacetension	true	boiling
water	endothermic	gas	vaporization	wood	viscosity	evaporate
condensation	increases	exothermic	speedup	freezing	colder	solid
vapor	liquid	sublimation	fluid	liquid	throughout	matter
solid	melting	gas	spreadout	closer	solid	