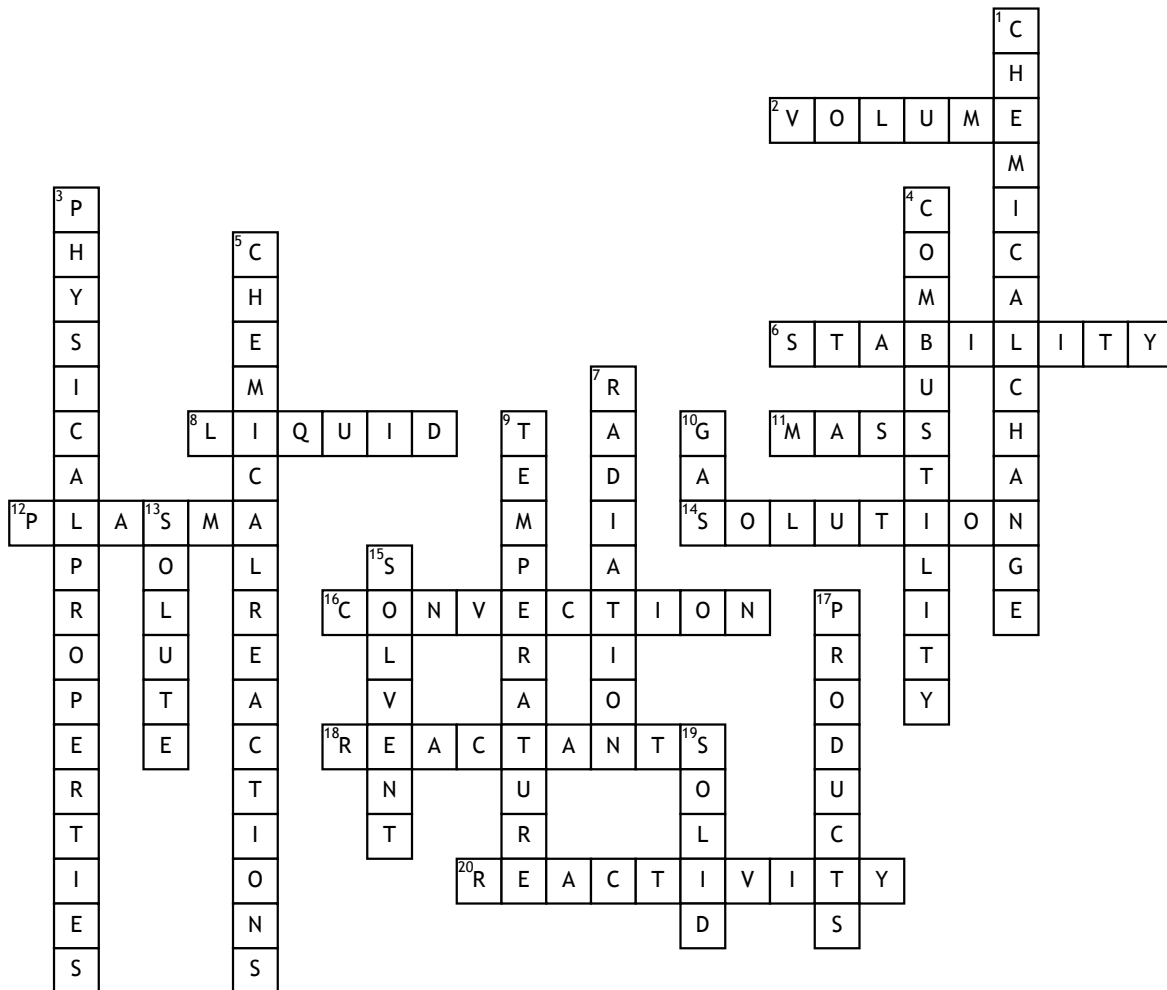


Name: _____

Date: _____

Properties of Matter



Across

2. space and object takes up
 6. do not react with other substances
 8. definite volume but no definite shape
 11. matter in an object
 12. hot mixture of ions and electrons
 14. when a substance dissolves in another
 16. transfer of thermal energy by the motion of fluids
 18. substances that change or react

Down

1. when two or more substances are combined and changed into new substances with new properties
 3. features of all matter that can be observed and measured without changing the chemical composition of the solution
 4. describes whether or not a substance will burn
 5. another name for chemical changes

7. transfer of thermal energy by electromagnetic waves

9. a measure of the average kinetic energy of the particles in an object

10. neither a definite shape or definite volume

13. substance that dissolves

15. substance in which the solute dissolves

17. new substances produced

19. definite shape and volume