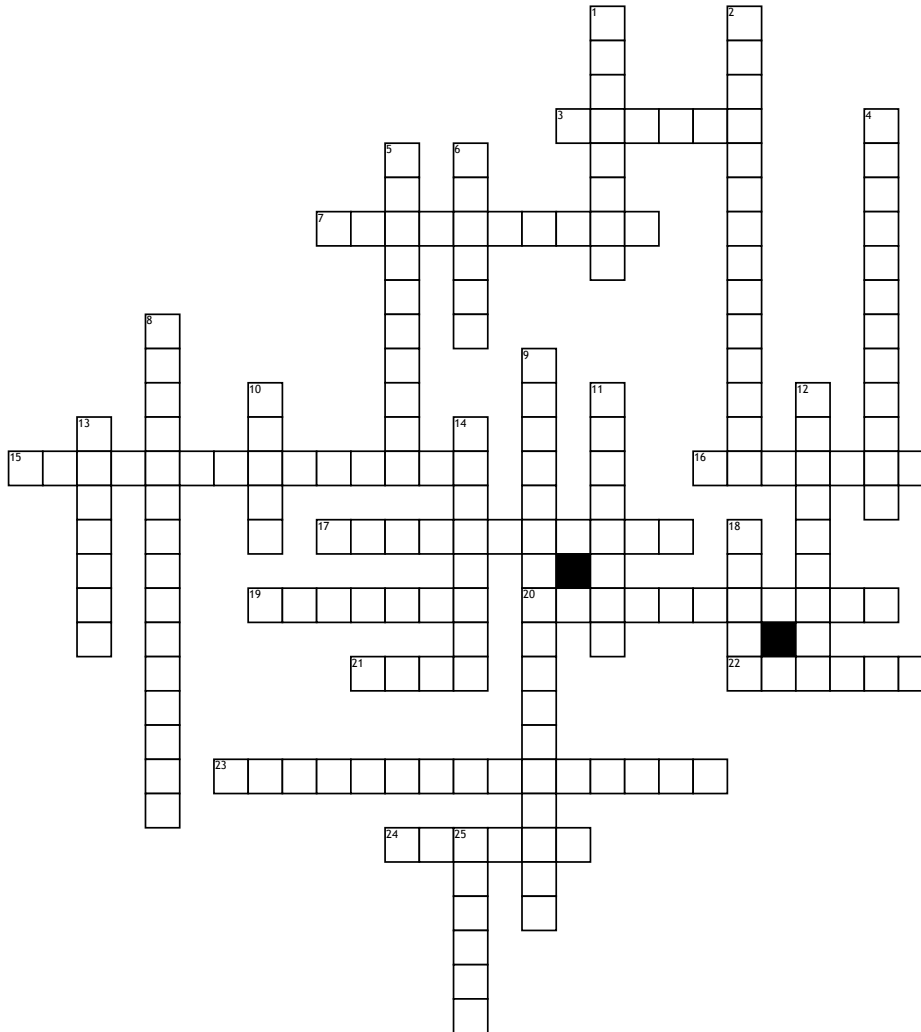


Name: _____

Date: _____

Matter and Energy



Across

3. solids, liquids, and gases are all _____ of matter
7. the standard unit of measurement of volume of a liquid
15. the only true indication of a _____ is that a new substance has formed
16. _____ is the process by which a solid becomes a liquid
17. when a solid changes directly to a gas, the process is called
19. energy is motion is called _____ energy
20. _____ is a process by which a liquid becomes a gas
21. is the measure of the amount of matter

22. _____ can become liquids and liquids can become solids

23. the standard unit of volume for a solid is the

24. to calculate density _____ mass by volume

Down

1. _____ can be separated by using the properties of the substances in them

2. Any change in a physical property of a substance is a

4. the lowest point which a substance can melt is its

5. _____ can separate solids from liquids and can separate particles that differ in size

6. What is the measure of the pull of gravity on an object?

8. changes of state are

9. the volume of liquids is measured using a tool called a

10. the formula for finding the volume of a regular box-shaped solid is a

11. _____ properties describe how substances form new substances

12. _____ energy is stored energy

13. this is a measure of of the amount of matter present in a given volume of a substance

14. an attraction between the liquid and the inside of some cylinders is called the

18. density is expressed in units of _____ per cubic centimeter

25. is the measure of the amount of space that an object occupies

Word Bank

| | | | | |
|------------------|--------------------|-----------------|------------------|------------|
| weight | melting | milliliter | solids | chemical |
| cubic centimeter | melting point | density | mass | ruler |
| meniscus | volume | chemical change | mixtures | states |
| grams | sublimation | evaporation | physical changes | divide |
| kinetic | graduated cylinder | potential | physical change | filtration |