

## Science 4 review sheet chapter 11

1. Be able to describe the motion of particles in a solid.
2. Be able to describe the motion of particles in a liquid.
3. Be able to describe the motion of particles in a gas.
4. What is matter?
5. What are the building blocks of matter?
6. What does mass mean?
7. How can the mass of an object be changed?
8. What type of laboratory equipment would be used to measure the mass of an object?
9. What type of laboratory equipment would be used to measure the volume of a liquid?
10. How would you determine the volume of a regularly shaped object, such as a cube?
11. How would you determine the volume of an irregularly shaped object, such as an apple?
12. What tool would you use to measure the length of a table?
13. What does density mean?
14. What is the density of pure water?
15. If an object sinks in water, what must be true of its density compared to that of the water?
16. If an object floats in water, what must be true of its density compared to that of the water?
17. What is a mixture?
18. What is a solution? Be able to give an example.
19. Identify the two parts of a solution AND what each means.
20. What does solubility mean?
21. What is meant by a physical property? Give some examples.
22. What is meant by a physical change? Give some examples.
23. What is a chemical change? Give some examples.
24. What is meant by a phase change?
25. Where can information about elements be found?

**Vocabulary terms**

Matter

Atoms

Physical properties

States of matter

Mass

Weight

Triple beam balance

Volume

Graduated cylinder

Water displacement

Meniscus

Density

Mixture

Solution

Solute

Solvent

Solubility

Physical change

Chemical change

Melting

Freezing

Boiling

Condensing