

I. Properties of matter

A. common states

1. solids
2. liquids
3. gases

B. has mass

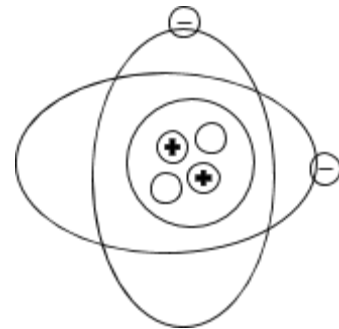
1. amount of matter in object
2. measuring tool: balance
3. metric units: grams (g), kilograms (kg)

C. has volume

1. amount of space object takes up or how much something holds (3-D)

D. atoms

1. building blocks of all matter
2. parts
 - a. nucleus:
 - i. protons (positive charge +)
 - ii. neutrons (no charge o)
 - b. orbiting nucleus:
 - i. electrons (negative charge -)



3. molecules a. two or more atoms combined chemically

E. Law of Conservation of Matter

1. matter cannot be created or destroyed
2. matter can change forms

Other key ideas: Be able to create and read data tables and line graphs. Recognize rules for working with variables. Be able to measure length and mass with appropriate tools (and use correct measurement units).