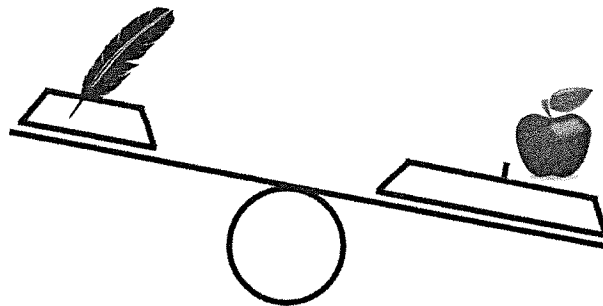


# Study Guide-Matter

Test: Tuesday, Dec. 18<sup>th</sup>

- Matter is anything that takes up space and has mass.
- Matter can be described by its properties.
- Properties of matter include: size, shape, color, texture, form, mass, taste, volume, temperature, smell
- Matter has 3 forms:
  - ⇒ Solid
  - ⇒ Liquid
  - ⇒ Gas
- Mass is the amount of matter in a object.
- We can compare the mass of objects on a balance scale.

*For example:*



*The apple has more mass than the feather.*

- Some materials are better for a job than others because of their properties.

*For example: The best building material for our bridges was the popsicle sticks and the best material for the 3 Little Pigs was the bricks. What properties made them the best choices? They were **hard, not flexible, and solid.***

*What property makes a popsicle a better treat in the summer than hot chocolate? It is cold.*

- Matter can change. Sometimes these changes are: reversible (you can change it back)

*Examples: melting popsicles, freezing water into ice, making shapes with playdough*

irreversible (you cannot change it back)

*Examples: cooking eggs, ripping paper, cutting an apple*

- Sometimes things can be taken apart and put together differently. Here are 4 legos. Draw 2 different ways to build the legos.

