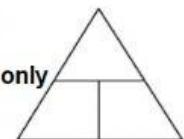


- The smallest part of an element that can exist as an element is a(n) \_\_\_\_\_
- What would happen to the speed of the motion of the particles in a gas as it is cooled?  
\_\_\_\_\_

- The \_\_\_\_\_ says:

- Matter is made of small particles
- The particles are in constant motion
- There is a large amount of space between the particles
- The particles collide with each other and transfer energy

- To find the mass you would use a \_\_\_\_\_
- The variable that you (the experimenter) change is the \_\_\_\_\_
- The variable that you (the experimenter) measure is the \_\_\_\_\_
- What is the formula for density? Density =  $\frac{\text{mass}}{\text{volume}}$  Fill in the triangle.  
Letters only
- Classify each as an 'E' Element, 'C' Compound, or 'M' Mixture.



- <sup>Listen</sup> C6H12O6
- Air
- O – Oxygen
- Two of more substance NOT chemically combined or in a specific ratio
- Pure Water H2O
- Two or more substances combined in a specific ratio
- Table Salt NaCl
- Two or more substances combined physically
- NaHCO3
- A substance that cannot be broken down into any other substance

- When you add enough heat to a solid it will change phase to a \_\_\_\_\_

10. Fill out the chart:

State of matter	Definite Shape (Y/N)	Definite Volume (Y/N)
Solid		
Liquid		
Gas		