**Structure/Properties of Matter - Vocabulary**  
  
1. Atom-basic particle that makes up an element  
2. Gas-state of matter that has no definite shape or volume  
3. Liquid-state of matter that has a definite volume but will take the shape of its container  
4. Solid-state of matter that has a definite shape and volume  
5. Mixture-when two or more substances are mixed together but can be physically separated fairly easily  
6. Solubility-the ability to dissolve in another substance  
7. Freezing Point-the temperature at which a liquid changes to a solid  
8. Boiling Point-the temperature at which a liquid changes to a gas  
9. Matter-anything that takes up space and has mass  
10. Physical change-matter changes its appearance but does not change into a different substance: size, shape state of matter  
11. Chemical change-produces new substances with different properties from those of the original substance: produce gas, new substance, change of color