Describing Matter

Complete the following by filling in each blank with the correct term.

Scientists try to explain how changes in substances take place. By applying energy, you can tear a sheet of paper into pieces and cause a(n) _____ _____ in the paper. If you place a balloon filled with air into the refrigerator, the balloon will get smaller. The balloon undergoes a(n) _____ _____. On a hot summer day, water vapor will condense into water droplets on the outside of a glass of iced tea. The glass of iced tea is a(n) _____ of sugar, tea, lemon, and water. Ice is water in the solid state. The density of ice is less than that of liquid water. Therefore, ice floats on the tea. The melting point of ice is 0°C. This temperature is also the freezing point of liquid water. Water is a clear, colorless _____ at room temperature. The words clear and colorless describe two _____ _____ of water. The melting of the ice in iced tea is a(n) _____ _____. In comparison, a(n) _____ _____ produces new substances. When a candle burns, physical and _____ changes take place. The _____ of the wax is a physical change. The melted wax is now in the liquid state. However, when burning occurs, a(n) _____ _____ takes place. The melted wax, as it burns, combines with gaseous oxygen in air. After the chemical change, water vapor and carbon dioxide gas are formed. The mass of all substances before a chemical change _____ the mass of all substances after a chemical change.

WORD BANK

melting	equals	chemical
liquid		physical change
physical properties		mixture
physical change		physical change
chemical change		chemical change

LIVEWORKSHEETS