**Physical and Chemical Changes Stations**

**1. Label each process as a physical or chemical change:**

**a. perfume evaporating on your skin
b. wood rotting
c. autumn leaves changing color
d. a hot glass cracking when placed in cold water
e. burning sugar
f. mixing sugar in water
g. digesting food**

**2. Which of the following would NOT be a physical change?**

**a. freezing water to make ice cubes
b. melting gold to make jewelry
c. burning gasoline in a lawnmower
d. boiling water for soup
e. tearing a piece of aluminum foil**

**3. Which of the following is NOT a physical change?**

**a. grating cheese
b. melting cheese
c. fermenting of cheese
d. mixing two cheeses in a bowl**

**4. Which are physical and which are chemical changes?**

**a. boil
b. burn (combustion)
c. condense
d. crumple
e. melt
f. rust**

**5. Which are physical and which are chemical changes?**

**a. crush
b. freeze
c. explode
d. grind
e. rot
f. vaporize
g. photosynthesis
h. sublimation**

**6. Label each process as a physical or chemical change:**

**a. Moth balls gradually vaporize in a closet
b. hydrofluoric acid attacks glass (used to etch glassware)
c. A chef making a sauce with brandy is able to burn off the alcohol from the brandy, leaving just the brandy flavoring
d. Chlorine gas liquefies at -35 °C under normal pressure
e. hydrogen burns in chlorine gas**

**7. Label each process as a physical or chemical change:**

**a. fogging a mirror with your breath
b. breaking a bone
c. mending a broken bone
d. burning paper
e. slicing potatoes for fries
f. mixing sugar with coffee
g. frying chicken**

**8. Label each process as a physical or chemical change**

**a. a nail rusting
b. paper ripping
c. wood burning
d. mixing water and food coloring
e. food molding (rotting)
f. writing on paper
g. dyeing fabric**