**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**