

Name: _____

Station 1

Take the items out of the box and classify as a homogeneous mixture, heterogeneous mixture, an element or a compound.

Pure Substance		Mixture	
Element	Compound	Homogeneous	Heterogeneous

Station 2

Classify the following cards into categories of physical and chemical change

Physical Change	Chemical Change

Station 3

Classify the cards into physical or chemical properties.

Physical Properties	Chemical Properties

For each station below, either follow the procedure in the box or combine small amounts of the substance(s) listed. Write any observations you have in the space provided and note if the change was physical or chemical.

Station #	Substance(s)	Observations (Did anything change?)	Type of Change (Physical/Chemical)
4	a) Flashlight: turn on and off		
	b) Break a match stick		
	c) Burning a match		
5	a) water and food coloring (1 drop only)		
	b) Cornstarch and water		
	c) Liquid from b (above) & Iodine (1 drop only)		
6	a) Cabbage Juice and Vinegar		
	b) Cabbage Juice and Baking Soda		
7	a) Water and sugar cube		
	b) Water and crushed sugar		

Station 8:Physical Separation Techniques			
w the following techniques			
Filtration	Distillation	Chromatography	Evaporation

REFLECTION STATION (at desk)

What 2 techniques from station 8 would be used to separate a mixture of water, sand, and salt?

List 3 chemical changes you have done or observed outside of class today

List 3 physical changes you have done or observed outside of class today

How do you distinguish whether a mixture is homogeneous or heterogeneous