

## Classification of Matter

### Concept Review

Determine whether the following mixtures are heterogenous or homogenous

salt water		raisins and cereal	
cement		muddy water	
coffee		tossed salad	
sugar water		tea	

Match the items in Column I with the correct phrases in Column II

Column I	Column II
colloid	a. element or compound
compound	b. contains only one kind of atom
element	c. substances spread evenly throughout
heterogeneous mixture	d. particles scatter light but do not settle out
homogeneous mixture	e. contains two or more atoms in a definite ratio
substances	f. particles settle out
suspension	g. substances not spread out evenly

Label each of the items below as solution, suspension, or colloid

	oil and water		gelatin dessert
	salt water		whipped cream
	mayonaise		soda pop

Determine whether each of the following is a physical change (PC), physical property (PP), chemical change (CC), or chemical property (CP).

sharpening a pencil
reactivity with acid
color of an object
boiling point of a substance
burning wood in a fireplace
inflating a balloon
cleaning a wound with hydrogen peroxide