NAME		_	Chemistry I Worksheet Classification of Matter and Chan
INSTRUCTIONS: Write E in the blank if the material is heterogeneous or O if it is homogeneous.			
1. Wood		6.	Dirt
2. Freshly-brewed black coffee		7.	Sausage-and-mushroom pizza
3. Water		8.	Air
4. Lucky Charms®		9.	Milk
5. Salt		10.	Gold
INSTRUCTIONS: Classify each of the following as an element [E], a compound [C], or a mixture [M].			
11. Gold		16.	Air
12. Water		17.	Carbon dioxide
13. Seawater		18.	Silver
14. Sugar		19.	
15. A chocolate sundae		20.	A Big Mac [®]
INSTRUCTIONS: Classify each of the following properties of matter as physical [P] or chemical [C].			
21. Color		26.	Reacts violently with chlorine
22. Density		27.	Good conductor of heat
23. Burns easily (flammable)		28.	Dissolves readily in water
24. Not affected by acids		29.	Melts at 145 °C
25. Boils at 450 °C		30.	Malleable
INSTRUCTIONS: Classify each of the following changes in matter as physical [P] or chemical [C].			
31. Grinding chalk into powder		36.	Burning gasoline
32. Dissolving salt in water		37.	Hammering gold into foil
33. Dissolving zinc in acid		38.	Melting ice
34. Tearing a piece of paper		39.	Digesting food
35. Stretching copper into wire		40.	Making hydrogen from water
INSTRUCTIONS: Classify each of the following as an intensive property [I] or an extensive property [E].			
41. Mass		46.	Color

_____ 47. Volume

48. Length

42. Density

43. Melting point