Classification of Matter

NAME _____

INSTRUCTIONS: Classify each of the following as an *element* [E] or *compound* [C].

- 1. Sulfur (S)
- 2. Water (H₂O)
- 3. Limestone (CaCO₃)
- 4. Nitrogen (N₂)
- 5. Acetylene (C₂H₂)

- <u>C</u> <u>E</u> (
- 6. Argon (Ar)
- 7. Carbon dioxide (CO₂)
- 8. Silver (Ag)
- 9. Benzene (C₆H₆)
- 10. Baking Soda (NaHCO₃)

INSTRUCTIONS: Classify each of the following of as *pure substances* [P] or *mixtures* [M].

- 11. Mercury
- 12. gasoline
- 13. Oxygen
- 14. Gold
- 15. Iced Tea

- <u>Р</u> М
- P
- P M
- 16. concrete
- 17. Orange juice
- 18. brass
- 19. Tap water
- 20. Magnesium

M P

INSTRUCTIONS: Write **E** in the blank if the material is *heterogeneous* or **O** if it is *homogeneous*.

- 21. Wood
- 22. Freshly-brewed black coffee
- 23. Chex Mix
- 24. Lucky Charms®
- 25. Salt water

- E
- 26. Dirt
 - 27. Sausage-and-mushroom pizza
 - 28. Air
 - 29. Milk
 - 30. Gold necklace

INSTRUCTIONS: Classify each of the following as an element [E], a compound [C], or a mixture [M].

- 31. Gold
- 32. Water
- 33. Seawater
- 34. Sugar
- 35. A chocolate sundae

- E
- 36. Air
- 37. Carbon dioxide
- 38. Silver
- 39. Ice
- 40. A Big Mac®