

Name _____

Date _____

Period _____

Number _____

Unit 4-Elements, Compounds & Mixtures Review Sheet

Directions: Use your notes and vocab cards to answer the following questions on index cards or flaps. ***Remember to study all vocab cards and elements 1-10!***

Use your 4-1 Notes to answer the following:

1. What is the smallest piece of an element? (Remember EASY)
2. How is a compound formed?
3. What is the smallest piece of a compound? (Remember COMFY)
4. Give 2 examples of a compound. (write their chemical formula)
5. Name 3 ways to separate a compound.
6. What do elements and compounds have in common?
7. What is the difference between an element, compound and a mixture?
8. What are the 2 types of mixtures? Give an example of each.
9. Name 4 ways to separate a mixture.

Use your 4-2 Notes to answer the following:

10. How is a solution formed?
11. What are the 2 parts of a solution?
12. What is the solute and solvent in iced tea?
13. What does it mean if something is soluble? Give an example.
14. What does it mean if something is insoluble? Give an example.
15. What are two words to describe the concentration of a solution?
16. Draw a picture of a dilute solution and a picture of a concentrated solution.
17. Name three ways to increase solubility.
18. Name three ways to decrease solubility.
19. If sand, sugar and water were mixed together in a glass, explain why the sugar will no longer be visible and why the sand will sink to the bottom of the glass. (**use vocab words in your answer**)