



Preliminary Assessment

Directions: Fill in the blank with the correct word. A list of possible answers is provided at the bottom of the page.

1. Matter is made up of tiny _____.
2. _____ are the building blocks of matter.
3. An _____ is made up of just one kind of atom.
4. Two or more elements chemically combined form a _____.
5. A _____ of water is made up of two hydrogen atoms and one oxygen atom.
6. Vegetable soup is an example of a _____.
7. A mixture that is not the same throughout is called a _____ mixture.
8. Seawater is an example of a _____ mixture because it is the same throughout.
9. In a _____ one substance is dissolved in another.
10. In a mixture called a _____ the particles are larger and can settle out.

atoms
compound
element
heterogeneous
homogeneous

mixture
molecule
particles
solution
suspension



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Directions: Decide whether the answer is True (T) or False (F).

- | | | |
|------------------------------------------------------------------------------------|---|---|
| 11. The smallest part of an element is an atom. | T | F |
| 12. Matter made up of just one kind of element is a compound. | T | F |
| 13. There are less than 50 known elements on Earth. | T | F |
| 14. Water is a common compound on Earth. | T | F |
| 15. The components in a mixture do not combine chemically. | T | F |
| 16. Oil and vinegar salad dressing is an example of a heterogeneous mixture. | T | F |
| 17. A homogeneous mixture is not well mixed. | T | F |
| 18. The particles in a suspension always remain suspended. | T | F |
| 19. Water is often called the universal solute. | T | F |
| 20. An increase in temperature and stirring often increase the rate of solubility. | T | F |



Vocabulary of Elements, Compounds, and Mixtures

Directions: Unscramble the vocabulary words in the first column. Match the words to the definitions in the second column.

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|---------------------------------------|-----------------------------------------------------------------------------------------------|
| ____ 1. loevstn _____ | a. a substance in which two or more substances are mixed but not chemically combined |
| ____ 2. ehuosnegeoetr _____ | b. the substance that a solute is dissolved into |
| ____ 3. loonistu _____ | c. a substance made up of just one type of atom |
| ____ 4. iollodc _____ | d. the new substance that is formed when two or more elements are chemically combined |
| ____ 5. awtre ullecoem _____
_____ | e. a mixture in which particles are mixed together but not dissolved |
| ____ 6. tneeeelm _____ | f. a type of mixture that is not well mixed and that can be separated into its original parts |
| ____ 7. mato _____ | g. the smallest possible piece of an element |
| ____ 8. megheuosnoo _____ | h. a type of mixture that is well mixed and has a uniform composition |
| ____ 9. osuelt _____ | i. the smallest particle of the compound water |
| ____ 10. txemrui _____ | j. the substance that is dissolved into the solvent |