CP Chemistry
Video - Elements, Compounds, Mixtures

1. Differentiate between a homogeneous and a heterogenous mixture.

2. Give examples of how oxygen is a part of a variety of mixtures.

3. Solutions are _____ mixtures.

4. The composition of a mixture is constant. (T or F) Site an example.

5. All particles of a mixture are visible. (T or F) Site an example.

6. List two ways by which mixtures can be separated.

7. What physical property is used to separate substance by fractional distillation?

8. Pure substances must be separated by _____ changes.

9. The breaking apart of water into hydrogen and oxygen using an electric current is called _____.

10. Two or more elements which are chemically combined are called a/an _____.

11. The basic building blocks of all matter are _____.

12. H_2O represents
    a) one atom b) one element c) one mixture d) one compound

13. Fe, Na, and H are examples of
    a) elements b) compounds c) mixtures d) heterogeneous mixtures

14. If atoms of an element are heated, they will emit _____.
    Explain how this process is used by chemists.

15. The nucleus of most atoms is composed of _____ and _____. _____ are found outside the nucleus.

16. Complete the following concept map.