

## **Elements, Mixtures and Compounds Questions**

Your text book, and the notes in your journal will help answer these questions.

- 1.) What is a pure substance?
- 2.) List 3 properties that can be used to identify and classify elements.
- 3.) What are the 3 different categories of elements?
- 4.) Which category of elements would be best for making insulating (does not conduct electricity of heat) materials? Explain why you chose that category.
- 5.) Explain the difference between a compound and an element.
- 6.) Are compounds natural substances or man-made? Explain your answer.
- 7.) Since water is one of the most well known compounds and very important for life, why is it not listed on the Periodic Table?
- 8.) What is meant in the textbook when it says that compounds “break down”.