**Compounds and Mixtures**

<http://www.bbc.co.uk/bitesize/ks3/science/chemical_material_behaviour/compounds_mixtures/activity/>

Follow along the interactive video to become familiar with compounds and mixtures

1. Is iron an element or a compound
2. What outside source was used to bond the iron and sulfur elements together?
3. Draw a compound
4. Is FeSO4 a Compound or an Element? Explain how do you know?
5. A bunch of atoms bonded together are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. Hydrogen and oxygen atoms when bonded together to form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and a lot of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ released.
7. Draw a mixture
8. What’s the difference between a mixture and a compound?
9. Name 3 ways to separate mixtures
   1. –
   2. –
   3. –
10. Recap…
    1. Atoms bonded together are known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
    2. Atoms of the same element can join to form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
    3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are two or more atoms of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ elements chemically bonded together.
    4. Compounds can have different properties to their component elements.
    5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are elements that are not \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ joined.