

Elements, Compounds & Mixtures

Name:_____

1. An atom is _____

2. An element is _____

3. A compound is _____

4. A molecule is _____

5. Place the letter **E** for element and **C** for compound beside the following items.

Copper (Cu) _____

Water (H₂O) _____

Iron (Fe) _____

Sulphur Dioxide (SO₂) _____

Aluminium (Al) _____

Sodium (Na) _____

Ammonia (NH₃) _____

Zinc (Zn) _____

Carbon Dioxide (CO₂) _____

Gold (Au) _____

Sugar (C₁₂H₂₂O₁₁) _____

Nitrogen (N) _____

6. What elements are used in the following:
- (a) jewellery _____
 - (b) to disinfect swimming pools _____
 - (c) in electric wires _____
 - (d) in matches, gunpowder and fireworks _____
 - (e) to make cars and skyscrapers _____

7. Describe an experiment you could carry out to show that compounds are made up of elements:

[illegible]

8. A mixture is _____

9. What is the difference between a physical change and a chemical change?

10. Give 2 differences between a mixture and a compound.

1. _____

2. _____
