**Elements, Compounds and Mixtures worksheet**

1. Which of the boxes contains:
2. Molecules of an element?
3. Molecules of a compound?
4. Atoms of an element?
5. Do any of the boxes contain a mixture? Explain your answer.

**C**

**A**

**B**

1. Look at the following substances. Circle the elements and underline the compounds
2. Li b) N2 c) CO d) Cl2 e) S8 f) NaCl
3. How many elements make up each compound?
4. HCl b) CaCO3 c) HNO3 d) H2SO4 e) CH3OH

**2 2 3 3 4**

4. How many atoms are there in each of these molecules?

1. N2 b) CO2 c) O3 d) CH4 e) SO2 f) C2H4

**2 3 3 5 3 6**

5. Circle the molecule with the most atoms, in each pair;

1. HCl or POCl
2. NH3 or HNO3
3. C3H8 or C2H5OH
4. CH3COCH3 or C6H6

6. What is the formula for each molecule shown below

O

C

O

O

O

O

H

H

N

H

H

H

O2 CO2 H2O NH3