**Absence work 14 April 2020**

**Mini Quiz 2**

**Copy and complete table**

***Metals and Non-Metals***

**Add these properties to the table in the correct column (6)**

****High melting and boiling point.

Thermal and electrical insulators.

Low density.

Shiny when polished.

Brittle as solids (break easily)

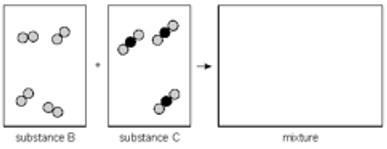
Malleable (can be hammered into shape).

**Copy and complete questions**

***Atoms, Elements and Compounds***

1. Define a compound. (1)
2. What is the difference between a compound and a mixture? (1)
3. What does ***diatomic*** mean? (1)
4. The following experiment was set up. Test-tubes containing substances B and C were placed together. The substances did not react. They were left for five minutes.

How many molecules are there in the mixture compared to the number in substances B and C? (1) 5. Complete the diagram, which is a model of this experiment. (1)



**Copy and complete questions**

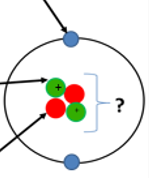
***Symbols and Formula***

1. How many elements are in this compound? (1)
2. How many atoms are in the compound? (1)
3. Which elements are present in this compound? (1)
4. The equation below shows one way how sulphuric acid can be produced.

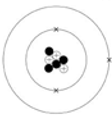
blue vitriol copper oxide + sulphur trioxide + water

Name **three** elements contained in blue vitriol. (3)

**Copy and complete questions**

***Structure of the Atom***

1. Label the arrows on the diagram. (3)
2. What is the charge on a proton? (1)
3. Mass number is the number of \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_. (2)

****4. The diagram to the left shows a lithium atom. Give the number of protons, neutrons and electrons in the lithium atom shown in the diagram.

Number of protons \_\_\_\_\_\_\_\_

Number of neutrons \_\_\_\_\_\_\_

Number of electrons \_\_\_\_\_\_\_