

**MINISTRY OF EDUCATION, HERITAGE AND ARTS
YEAR 11 CHEMISTRY
REVISION WORKSHEET 7**

Write the answers to the following questions in your exercise/activity books.

Elements, Compounds and Mixtures

1. Define:
 - i. Elements (1 mark)
 - ii. Compounds (1 mark)
 - iii. Mixtures (1 mark)

2. Differentiate between physical change and chemical change. (2 marks)

3. Heating hydrated copper sulphate is an example of a physical change.
 - i. Describe the colour of copper sulphate crystals before heating. (1 mark)
 - ii. Describe the colour of copper sulphate crystals after heating. (1 mark)
 - iii. Explain what happens to the crystals when they are heated which causes them to change colour. (2 marks)
 - iv. Explain why this process is classified as a physical change. (2 marks)

4. Burning magnesium wire is an example of a chemical change.
 - i. Describe the appearance of magnesium wire. (1 mark)
 - ii. Describe the appearance of the substance that is produced when magnesium wire is burnt. (1 mark)
 - iii. State the chemical formula of magnesium. (1 mark)
 - iv. State the name of the substance produced when magnesium wire is burnt. (1 mark)
 - v. State whether burning magnesium is a reversible change. (1 mark)
 - vi. Explain your answer in part (v) above. (2 marks)

The End