

**Dalkeith High School**  
**Gases and their reactions**  
**Homework 1**

1. Read the following paragraph about the element sulphur then make up and complete a table with the headings 'Property' and 'Observation' to show at least 4 of the properties of sulphur. (Draw the table on the back of this sheet)

*Sulphur: Sulphur is a chemical element. It is a yellow solid which is often found uncombined in nature as large yellow crystals. It melts at 115 °C. At room temperature it has a slight smell, said to be like matches and if set alight it burns with a blue flame.* (4)

2. Draw a labelled diagram to show how you could collect 2 test tubes of hydrogen. (draw the diagram on the back of this sheet) (2)
3. What test would you do to confirm the presence of hydrogen?  
Give the result of a positive test. (2)
4. What is the test for carbon dioxide? Give the result of a positive test. (2)