

# Dalkeith High School

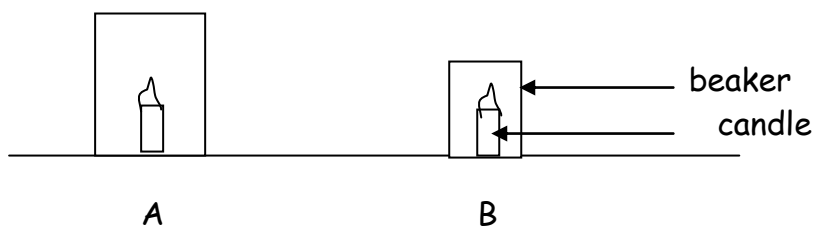
## Gases and their reactions

### Homework 3

1. A pupil weighed a lump of sulphur and then heated the sulphur strongly for 5 minutes. After leaving it to cool, he weighed it again and found the mass had decreased.  
Explain why this had happened.

(2)

2. Two candles were lit and each one was covered by a glass beaker as shown in the diagram below.



Which candle A or B will burn for the longest time and why?

(2)

3. Write down the names of 4 different gases and state a use for each of them. (You may need to use the library or access the internet.)

1. \_\_\_\_\_  
\_\_\_\_\_

2. \_\_\_\_\_  
\_\_\_\_\_

3. \_\_\_\_\_  
\_\_\_\_\_

4. \_\_\_\_\_  
\_\_\_\_\_ (4)

4. Name two chemicals, not elements, which could be used to make carbon dioxide gas. (2)