



Subject	Science		
Title/Topic	Format	Length	WC
Paper 1 – Biology & Chemistry	MCQ	45 minutes	14 November
Paper 2 – Biology & Chemistry	Written paper	45 minutes	14 November

In this Advent assessment I will be asked to show I can...

Biology content:

- Identify the structures of a heart and describe their function.
- Describe the structure of blood vessels and relate this to the role they carry out.
- Describe the components of blood and state their role.
- Give word and symbol equations for aerobic respiration & photosynthesis
- Give the word equations for anaerobic respiration in plants and yeast.
- Identify and categorise types of drugs.
- Describe the dangers of alcohol and smoking.
- Explain how photosynthesis can be investigated
- Describe how a leaf is adapted to carry out photosynthesis
- State the uses of glucose.

Chemistry content:

- Identify non-metals on the periodic table
- Describe the bonding and structure of non-metals
- Recall and explain the properties of the non-metals
- Recognise different models used to represent molecules
- Recall the properties and reactions of group 7 elements
- Explain the trend in reactivity in group 7
- Recall the tests for common gases
- Write formulas for small molecules



What should I do to revise and prepare for this assessment?

To prepare for this assessment:

1. Complete look, cover, write and check on the knowledge organiser statements from the life processes and chemistry of the non-metals booklets.
2. Make flash cards of key words and their definitions.
3. Read through the lesson content in the booklets and make notes to help you learn the information.

What useful websites/resources could I use to help me prepare?

[Respiration and gas exchange - KS3 Biology - BBC Bitesize](#)

Use the learner guides and class videos to recap the material covered on respiration and photosynthesis

<https://www.bbc.co.uk/bitesize/guides/z84wjxs/revision/3> for comparing the properties of metals and non-metals

<https://www.bbc.co.uk/bitesize/guides/zgnxcj6/revision/1> for reviewing the gas tests