**Year 10 - Research assignment – Electron microscopes**

Name: ------------------------------------- Form: ----------------------

Electron microscopes are an important tool to the Forensic scientist. They are capable of producing much larger magnifications than the light microscope.

**Use the internet or library books to research the following questions and write a *report* on your research.**

**Research Questions**

1. What is an electron microscope? ( 2 marks)
2. Who and when invented electron microscope? ( more than one scientist may be

involved) (4 marks)

1. On what basis do they work? ( 4 marks)
2. Draw or trace a simplified diagram of an electron microscope. ( 4 marks)
3. What type of magnification do they offer? ( 2marks)
4. List at least two advantages and disadvantages of an electron microscope? ( 4 marks)
5. Any interesting facts about electron microscope? ( 3 marks)
6. References ( Correct style/ format) ( 2 marks)

You will have **3** sessions of in-class time to research and complete the report.

**Remember you are not allowed to copy your research notes directly from the Internet or book as this is Plagiarism** (stealing someone else’s work). To help prevent this you may want to write your notes in dot points in the structured overview sheet provided.

**Due date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Your report along with the reference sheet must be submitted in person to your teacher on or before the due date.***

**Total mark: /25**