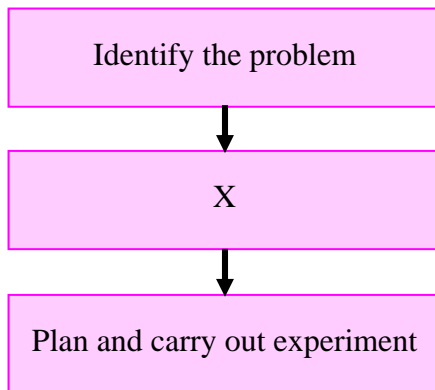




CHAPTER 1: SCIENTIFIC INVESTIGATION

- 1 The chart below represents part of the scientific method.



What should step X be?

- A Control the variables
 - B Form a hypothesis**
 - C Analyse the data obtained
 - D Form a rational conclusion
- 2 In planning an experiment to verify a hypothesis, which of the following steps is **not** carried out?
- A Establish the aim of the experiment
 - B Identify the variables**
 - C Estimate the cost of the chemicals to be used
 - D Determine the apparatus to be used
- 3 The scientific method includes...
- I careful observation.
 - II accurate gathering of data.
 - III skilful changing of the results.
- A I and II only
 - B I and III only**
 - C II and III only
 - D I, II and III
- 4 Which of the following best explains what a hypothesis is?
- A An illogical suggestion
 - B A well reasoned suggestion**
 - C A scientific concept
 - D A scientific law