



CHAPTER 1: INTRODUCTION TO BIOLOGY



Paper 2 (Section A – Structured Item)

1. A group of students want to carry out an experiment to answer the following research question.

“How does body posture affect the pulse rate?”

- (a) State the aim of this experiment.

[1 mark]

- (b) i. Explain what a manipulated variable is.

[2 marks]

- ii. State the manipulated variable of this experiment.

[1 mark]

- (c) i. Explain what a responding variable is.

[2 marks]

- ii. State the responding variable of this experiment.

[1 mark]

- (d) i. Explain what a controlled variable is.

[2 marks]

- ii. State **two** controlled variables of this experiment.

1. _____

2. _____

[2 marks]