**Human Biology – ATAR Year 11**

**Task 6** – Unit 1 Assessment type: Extended response

Conditions Time for the task:

• Part 1: Three days to research topic and complete notes

• Part 2: Forty minutes for in-class validation – extended response exam style question

Task weighting 7.5% of the school mark for this pair of units

TASK: Research the following two questions. On the 1/5/16 you will have 40 minutes to write an extended responses to one of the questions. The teacher will choose which of the questions immediately before. No notes are allowed during the extended response. Research notes (5 marks)

Question 1:

1. Explain how a piece of fatty bacon is digested in the human body. Include in your explanation any structures passed along the journey and any chemical and physical changes which would happen to the piece of meat along the way. (14 marks)
2. Describe how the nutrients in this fatty bacon are absorbed into the body. (6 marks)

Question 2

(a) Describe the mechanisms by which air is drawn into and forced out of the lungs during normal breathing.

(10 marks)

(b) The system of vessels which distributes blood around the body is made up of THREE different types of vessels: arteries, veins and capillaries. Explain the difference in structure and function of each of these vessels.

(10 marks)