**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) The kidneys have two main functions – to remove wastes, and to regulate the composition of body fluids. Describe the processes occurring in the nephron that perform these two functions. (10 marks)

b) When kidneys lose their ability to excrete waste and control body fluids, kidney failure results. Explain why kidney failure can be life threatening and what can be done for a person with kidney failure. (10 marks)