**Long Answer: Please answer the following 3 questions. (each worth 15 marks)**

1. Please describe the Theory of Evolution and the evidence that we have which proves the Theory. (Hints: fossils, Hardy-Weinberg, natural selection, Darwin, biochem, etc.)
2. There are 5 different types of hearts that can be found in different organisms. Please, with use of a diagram, describe each heart in terms of the number of chambers, the names of the chambers, and the heart’s overall efficiency to deliver oxygen.
3. In this course you have learned about and discussed many different topics from macromolecules, nutrition, health, humans, evolution, genetics, biotechnology, genetic engineering and many more. Please pick one topic and explain the importance of that topic to you by teaching me about it with the use of three solid points of how it has impacted you, will help you form opinions or use it in the future.