

## **AS Biology Summer work 2017**

### **Q1.Essay**

You should write your essay in continuous prose.

Your essay will be marked for its scientific accuracy.

It will also be marked for your selection of relevant material from different parts of the specification and for the quality of your written communication.

The maximum number of marks that can be awarded is

Scientific knowledge	16
Breadth of knowledge	3
Relevance	3
Quality of written communication	3

Write an essay on **one** of the following topics:

How different types microscopes have contributed to our understanding of living organisms.

How the membranes of different types of cells are involved in many different functions.

The importance of shapes fitting together in cells and organisms.

A cycle is a biological pathway or process in which the end product of one cycle becomes the starting point for the next. Write an essay about cycles in biology.

**(Total 25 marks)**

**Your work must be handwritten, it should be a maximum of 4 sides of A4 no less than 2 sides**

**Writing the essay will take about 40minutes to 1 hour.**

**Researching the essay will take 1hour 30minutes.**

**This is due in your Biology lesson the week beginning 19<sup>th</sup> September**