



NAME: _____

DATE: ____ / ____ / ____

TOTAL MARKS: ____ / 36

Some words from TheGOALKeeper®-

- Almost all these questions have been taken from past papers and are an excellent way to master each topic.
- This should be used as an aid to your revision and not be your primary revision tool.

1.

Plants and animals have become adapted in many different ways to reduce the risk of being eaten by predators.

Describe these adaptations.

Give examples of animals and plants adapted in the ways you describe.

(6 Marks)

2.

A student is given a tube containing a liquid nutrient medium. The medium contains one type of bacterium.

The student is told to grow some of the bacteria on agar jelly in a petri dish.

Describe how the student should prepare an uncontaminated culture of the bacterium in the Petri dish.

You should explain the reasons for each steps you describe.

(6 Marks)

3.

Describe how living things are involved in the constant cycling of carbon

(6 Marks)

5.

Plants respond to different environmental factors

Describe how different environmental factors affect

- The direction of growth of roots
- The direction of growth of shoots

In your answer you should refer to the role of plant hormones

Do not refer to artificial use of plant hormones by gardeners or scientists

(6 Marks)

6.

Mineral ions are an important component of a healthy diet.

Describe how the other components of the diet are important to keeping us healthy

In your answer you should refer to:

- The different components
- Why we need each component

(6 Marks)