

NAME:

SUBJECT: SCIENCE

YEAR: FOUR

ASSIGNMENT NUMBER: TWO

Write directly on the paper.

Maximum marks are given for plenty of detail, explanation and evidence. Look carefully at the number of marks available for each question; always try to give one different piece of information for each of the marks available.

1. Describe the difference between the words 'weather' and 'climate'.

(2 marks)

2. Explain what you understand 'climate change' to be. Think about what it is, how it is caused, and examples of some of the effects that we see.

(5 marks)

3. How can destroying forests (deforestation) be harmful to our planet? Give two ways.

(4 marks)

4. a) When you learnt about acid rain by spraying lemon juice onto plant leaves, why was it important that you sprayed only **some** of the leaves? In your answer, explain what would not have been clear if you had sprayed **all** of the leaves.

(2 marks)

- b) If all of the leaves **had** been sprayed with lemon juice, do you think that the test would have been fair? **Explain your answer, using the term 'variable'**.

(2 marks)

5. Name and describe some ways that we can do our 'bit' to help tackle climate change. For full marks, describe the effects of some of these ways. For example, we can reduce the amount of waste we create so not as much waste goes into landfill sites.

(5 marks)

TOTAL FOR ASSIGNMENT 20 MARKS