

CARIBBEAN PRIMARY EXIT ASSESSMENT (CPEA)

CAN-DO SKILLS IN SCIENCE

Tests used to collect evidence about the status of students' skills under a formative assessment framework, are normally planned, designed and constructed by classroom teachers in order to

Provide opportunities where students can practice skills related to the key Science content as defined by appropriate class standards and acquire the key words and terms that will be tested in the final examinations.

Students will be able to:

- use of scientific vocabulary with understanding
- predict the outcome of an event
- use their sense of observation to interpret information and
- draw conclusions

Teachers will be able to:

- identify aspects of the scientific method that students find difficult
- ascertain what each student needs in order to achieve specified goals
- ascertain what should be done next to enhance the progress of students
- show what the student should do next to enhance his or her progress, confidence and competence

TOPIC: Growing Plants

The experiment below was done by some students in Grade 4.

Two of the same plants with the same height were selected and named Plant A and Plant B.

Plant A was planted in compost while Plant B was planted in soil from the school yard.

Plants A and B were both be given the same amount of light and water. They were both placed on top of a cupboard in the classroom.

The height of each plant was measured at the same time every two days.

Question 1

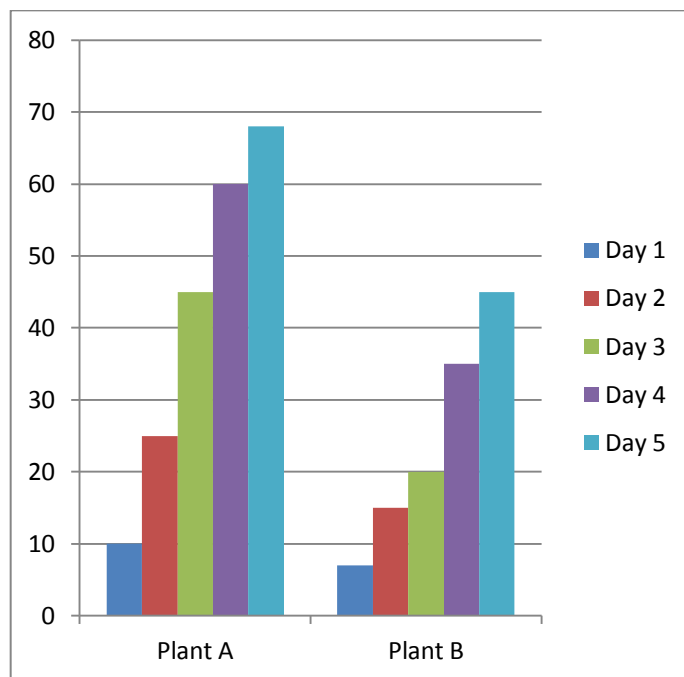
Predict what will happen to Plant A and Plant B?

(2 marks)

OBSERVATIONS

The height of each plant was recorded in the table below and the information was then used to plot the graph.

Day	Height	
	Plant A	Plant B
1	10	7
2	25	15
3	45	20
4	60	35
5	68	45



Question 2

(a) List all the things that remained the same.

(2 marks)

(b) Why do you think this was done?

(1 mark)

Question 3

(a) What was different?

(1 mark)

(b) Why do you think that this is so?

(2 marks)

Question 4

What did you learn from this activity?

(2 marks)

FOLLOW-UP ACTIVITY

Students could be asked to design an experiment to find out the effect of natural fertilizer and artificial fertilizer on plant growth.