

Name _____ Date _____

Mid-point test

The Mid-point test has been written by the authors. This may not fully reflect the approach of Cambridge Assessment International Education.

30 marks

- 1 Choose the correct answer to each of the following questions.
Draw a circle around the letter of the correct answer.
 - a Which of these is a non-flowering plant?
 - A grass
 - B apple tree
 - C pine tree
 - b Which process in flowering plants forms seeds?
 - A pollination
 - B fertilisation
 - C germination
 - c Which variable do you keep the same during an investigation?
 - A dependent variable
 - B control variable
 - C independent variable
 - d Which of these materials does sound travel through best?
 - A a wooden door
 - B water
 - C air
 - e What happens to water when it freezes?
 - A expands
 - B contracts
 - C gains energy

- 2 Write the correct word for each of these meanings.
 - a A backwards and forwards movement.

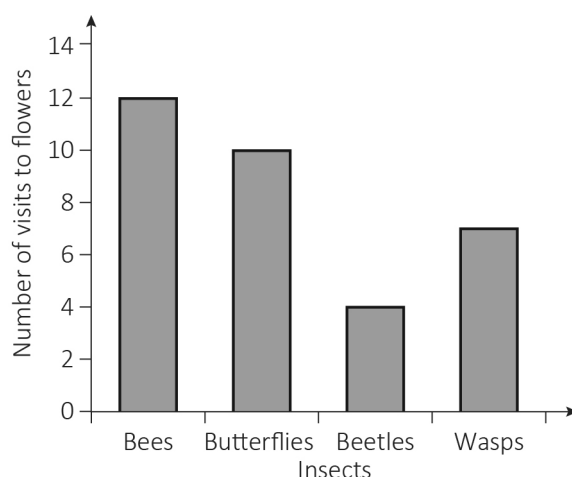
b How loud or quiet a sound is.

c The layer of air around the Earth.

d When people put substances into the environment that harm it.

e When particles throughout a liquid change into a gas.

- 3 Class 5 investigated pollination by insects. They observed the number of times different insects visited flowers in the school grounds. They drew this graph of their results.



a Which insects visited the flowers the most times?

b Which insects visited the flowers the fewest times?

c How many times did butterflies visit the flowers?

d Name one way that flowering plants attract insects.

- 4 Class 5 placed the same number of bean seeds in three different places. These are their results.

	Place		
	Inside cupboard	On top of cupboard	Inside fridge
Number of seeds that germinated	10	10	2

Use the results to answer the questions.

- a Name a factor that seeds need for germination.

- b Identify the dependent variable in the investigation.

- c Identify the independent variable in the investigation.

- d Identify one controlled variable in the investigation.

- 5 Arun is playing the guitar.

- a What type of musical instrument is the guitar?

- b Do the thicker or thinner strings give a lower note?

- c If Arun wants to play a higher note, does he make the string tighter or looser?

- d Explain why this action makes a higher note.

6 Marcus is playing the recorder.

a What type of musical instrument is the recorder?

b How does Marcus play high notes on the recorder?

7 Sofia dried her hair with a hairdryer before she went to a party. Answer these questions.

a Which process made Sofia's hair dry?

b What happened to the particles of water in Sofia's hair to make the process happen?

c Name the opposite process to the process that made Sofia's hair dry.

8 a What is a mixture of a liquid and a soluble solid called?

b Which term describes what happens to the soluble solid in the mixture?

c How can you separate a mixture of a liquid and a soluble solid?
