

Name \_\_\_\_\_ Date \_\_\_\_\_

## End-of-unit 2 test

*The End-of-unit tests have been written by the authors.*

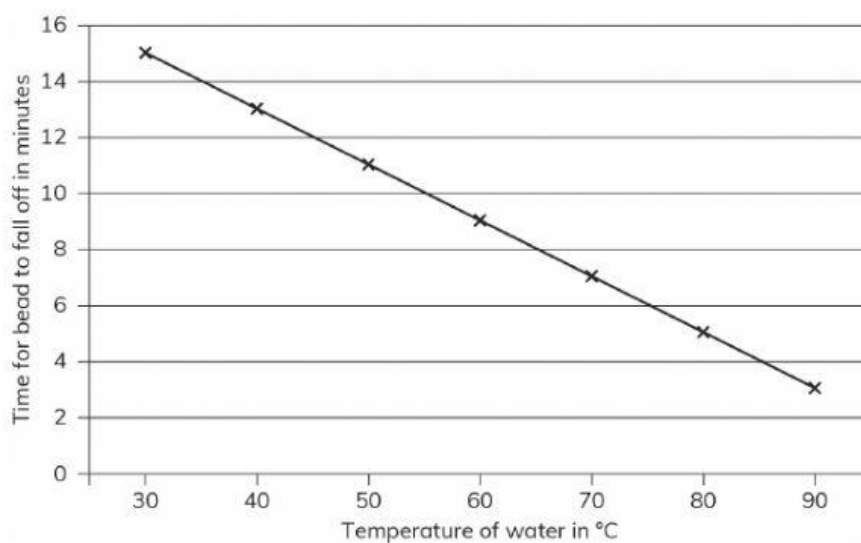
*These may not fully reflect the approach of Cambridge Assessment International Education.*

20 marks

1 Read each question and circle the letter A, B, C or D that has the correct answer.

- a Which of the following is **not** a form of energy?
  - A Heat
  - B Light
  - C The Sun
  - D Sound
- b Which of the following is **not** an example of an energy transfer?
  - A Kicking a ball
  - B Washed clothes drying in the Sun
  - C A log of wood
  - D Hitting a drum
- c Which of these statements is **not** true?
  - A Energy makes things move or change.
  - B We can make energy.
  - C Energy can change form.
  - D All living things need energy.
- d Why do plants use energy from the Sun?
  - A To grow well
  - B To make food
  - C To become stronger
  - D To form seeds

- 2 Sareena's group investigated energy transfers. They used hot water, petroleum jelly, a metal spoon and a bead. Look at the graph of their results and answer the questions.



- What form of energy was transferred? \_\_\_\_\_
- Which factor did the group measure? \_\_\_\_\_
- Which factor did they change? \_\_\_\_\_
- How much time did it take for the bead to fall off at a water temperature 40°C?  
\_\_\_\_\_
- At which temperature did the bead fall off the spoon quickest? \_\_\_\_\_
- The water did not stay hot. Explain why this happened.  
\_\_\_\_\_  
\_\_\_\_\_
- Draw an energy chain to show the transfer of energy in the investigation.  
\_\_\_\_\_

- 3 Identify the energy change in the picture. Write the name of the form of energy in each of the arrows to show how energy changes form.



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Look at the pictures above and answer these questions.

- a Name the producer. \_\_\_\_\_
- b Name the herbivore. \_\_\_\_\_
- c Name the carnivore. \_\_\_\_\_
- d There is no omnivore in the pictures. Say what an omnivore is.  
\_\_\_\_\_
- e Which of the living things in the pictures is a predator? \_\_\_\_\_
- f Which of the living things in the pictures is prey? \_\_\_\_\_
- g Draw arrows to link the living things in the pictures in a food chain.