

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

## End-of-unit 2 test

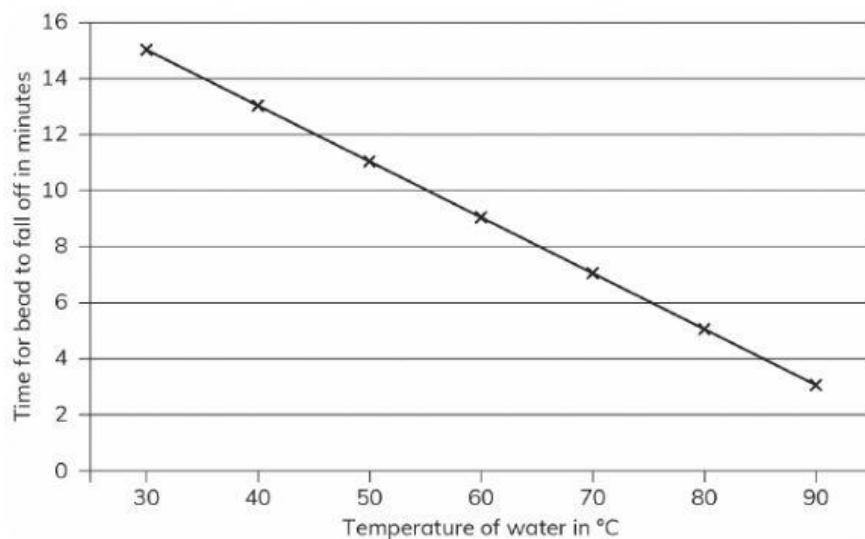
*The End-of-unit tests have been written by the authors.*

*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.



a What form of energy was transferred? \_\_\_\_\_

b Which factor did the group measure? \_\_\_\_\_

c Which factor did they change? \_\_\_\_\_

d How much time did it take for the bead to fall off at a water temperature 40°C?  
\_\_\_\_\_

e At which temperature did the bead fall off the spoon quickest? \_\_\_\_\_

f The water did not stay hot. Explain why this happened.  
\_\_\_\_\_

g 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.



4



Look at the pictures above and answer these questions.

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