



**Name:** .....

**Class:** .....

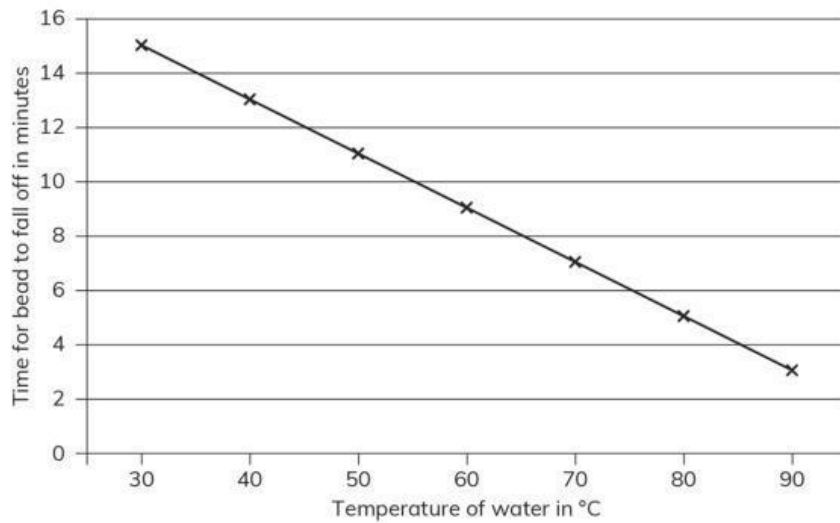
**Mark:** ...../10 =

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

**[2]**

- 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 badly
  - 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. [2.5]



- 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?  
\_\_\_\_\_

- 3 Identify the **energy changes** in the picture. Write the name of the form of energy in each of the arrows to show how energy changes form. [2]



\_\_\_\_\_ → \_\_\_\_\_

\_\_\_\_\_ → \_\_\_\_\_

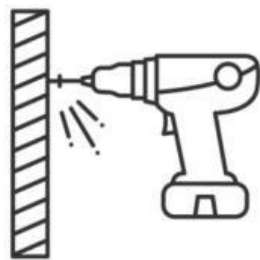


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\_\_\_\_\_ → \_\_\_\_\_



\_\_\_\_\_ → \_\_\_\_\_



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4 Look at the pictures below and answer these questions. [3.5]



- 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.