

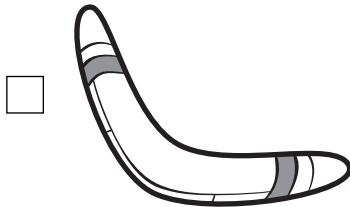
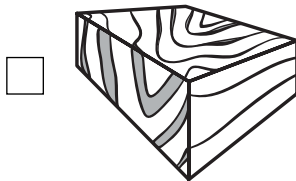
المعلومات العامة

الأسئلة المعلنه للعام الدراسي 2010

5

1

Which of the objects pictured below can move through the air with the least resistance?



Key: 4

Strand: Physical processes

Standard: 12.4 Know that water and air resistance slow an object down when it moves through water or air and that the shape of an object affects the size of this resistance.

DOK: 02 Application

2

Which of these conducts electricity?

- glass
- plastic
- metal
- wood

Key: 3

Strand: Physical processes

Standard: 14.3 Test whether a material is a good or bad conductor of electricity and recognise that metals conduct electricity whereas non-metals do not.

DOK: 01 Understanding

3

Which of the following is a permanent change?

- melting a candle
- dissolving salt in water
- freezing juice
- making yogurt

Key: 4

Strand: Materials

Standard: 10.1 Give examples of ways in which we change materials: for example, cooking, firing clay, setting cement. Know that these changes are permanent.

DOK: 02 Application

When a plastic comb was rubbed and brought near a thin stream of water flowing from the tap, the water was attracted to the comb and flowed toward it.

Why was the stream of water attracted to the comb?

Answer: _____

If the comb were brought near the water without having been rubbed, would the stream of water be attracted to the comb? Explain your answer.

Answer: _____

Key Elements	
<p>A. A response indicating that a charge in the comb attracted the water molecules.</p> <p style="text-align: right;">B. No AND because the comb has no charge if it is not rubbed.</p>	
2 key elements	2 pts
1 key element	1 pt
Incorrect answer	0 pts
No answer	Blank

Points: 2

Strand: Physical processes

Standard: 13.1 Know that electrostatic charge is generated by friction when an insulator is rubbed and that two kinds of charge can be created in this way.

DOK: 02 Application

5

Name two things you can do in your own home to conserve water.

Answer:

1: _____

2: _____

Key Elements

A. Any two of the following:

- take shorter showers / take showers instead of baths
 - turn off water while brushing teeth
 - fix leaky faucets
- run only full loads of laundry
- or any other reasonable response to use less water or water less often

2 key elements	2 pts
1 key element	1 pt
Incorrect answer	0 pts
No answer	Blank

Points: 2

Strand: Materials

Standard: 09.1 Know that water is essential for life; recognise the importance of water conservation and of not polluting seas, rivers and other water supplies.

DOK: 01 Understanding

The table lists animals often found in desert habitats. Beside the name of each animal, describe its main source of food.

Animal	Main Source of Food
Rabbit	
Lizard	
Vulture	

Key Elements

A. Each correct identification of food source is a key element.

Animal	Main Source of Food
Rabbit	plants / green plants / vegetable matter
Lizard	insects / animal matter
Vulture	dead animals

(Scoring Note: Accept any specific plant for rabbit, any specific animal / insect for lizard, and any specific dead animal for vulture. Accept meat as a correct response for both lizards and vultures.)

3 key elements	1 pt
0-2 key elements	0 pts
No answer	Blank

Points: 1

Strand: Life science

Standard: 05.1 Know that some organisms in a habitat feed off green plants, others prey on other animals and some eat dead animals.

DOK: 01 Understanding