

RISING★STARS ASSESSMENT

Science Year 2 Worksheet

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Assessment Bank sample test

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Assessment Bank Year 2 Science Worksheet

1.

Daniel made this table to show where he found different animals.

In a flower bed	In a pond
5 caterpillars	1 frog
3 beetles	3 water-boatmen
2 worms	4 leeches



1 mark

a) Where did Daniel find the leeches?

.....

b) What did he find most of in the flower bed?

.....

c) Why do caterpillars like living in flower beds?

.....

.....

d) Write **one** reason why caterpillars don't live in ponds.



Total for
this page

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.....

1 mark

.....

1 mark

1 mark

2. Class 2 have planted some daffodil bulbs in the garden outside the classroom.

a) How will they know when the bulbs have started to grow?

.....

1 mark

b) Tick the season when this will happen.

winter	
summer	
spring	
autumn	

1 mark

c) What will Class 2 see as the daffodils grow?

.....

1 mark

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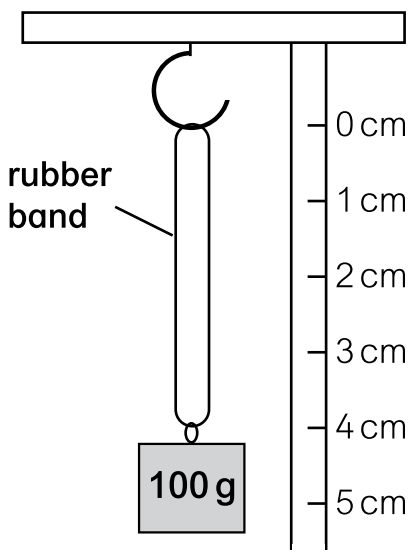
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3. When we talk about the material something is made from, what do we mean by the word 'material'?

.....

1 mark

4. **a)** Tom has a rubber band that is 2cm long. He adds different weights to the band and measures the length the band.



1 mark

The picture shows Tom's band with a 100g weight. How long is Tom's band now?

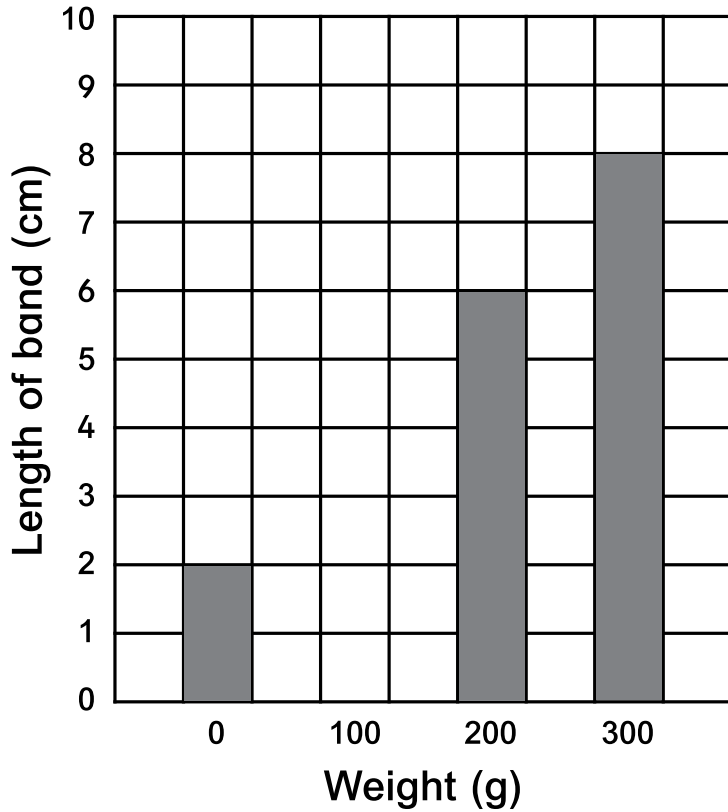
Put your answer in the table.

Weight	Length of band
0 g	2 cm
100 g	
200 g	6 cm
300 g	8 cm

- b)** Tom made a bar chart of his results.

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1 mark

On the graph, draw the bar for 100g.

c) Did the rubber band stretch by the same amount every time Tom added a weight?

yes		no	
------------	--	-----------	--

d) What happened to the rubber band when Tom took all the weights off?

Tick the correct statement.

It stayed the same length.	
It broke.	
It went back to the length it was to start with.	

e) What would happen if Tom added too many weights?



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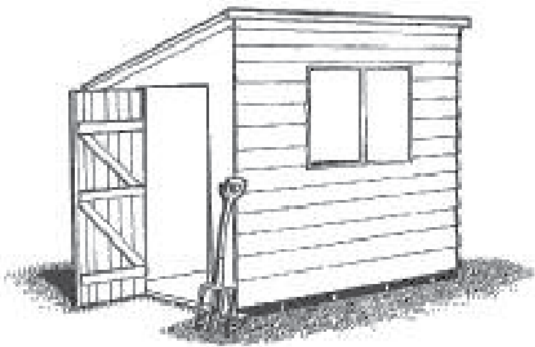
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1 mark

1 mark

1 mark

5. a) Here is a shed.



i) Circle **two** good materials to use for windows.

plastic

wood

metal

glass

ii) Write **one** reason why these are good materials to use for windows.

2 marks

b) i) Circle **two** good materials to use for walls.

bricks

wood

metal

glass

ii) Write **one** reason why these are good materials to use for walls.

Total for
this page

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.....

2 marks

**Total for
this test**

Answers and mark schemes

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Test	Mark	NC Domain	PF Code	Extra information
1. a) In a pond	1		2.2.1	
Aural question prompt: Not applicable				
Progression Framework Statement: 2.2.1 Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other				
1. b) Caterpillars	1		2.2.1	
Aural question prompt: Not applicable				
Progression Framework Statement: 2.2.1 Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other				
1. c) There is plenty for them to eat.	1		2.2.1	Accept any reasonable answer relating to a flower bed being a suitable habitat
Aural question prompt: Not applicable				
Progression Framework Statement: 2.2.1 Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other				
1. d) Any one from: they cannot live in water or they would drown as they need air; butterflies cannot lay their eggs in water; they would not find the leaves they eat; they cannot swim.	1		2.2.1	Accept any reasonable answer that relates to moving, eating or reproducing Accept that a pond is not the right habitat
Aural question prompt: Not applicable				
Progression Framework Statement: 2.2.1 Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other				
2. a) Shoots/leaves appear	1		2.4a.1	
Aural question prompt: Not applicable				
Progression Framework Statement: 2.4a.1 Observe and describe how seeds and bulbs grow into mature plants				

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Test	Mark	NC Domain	PF Code	Extra information
2. b) spring	1		2.4a.1	
Aural question prompt: Not applicable				
Progression Framework Statement: 2.4a.1 Observe and describe how seeds and bulbs grow into mature plants				
2. c) More leaves appear; the leaves get longer; flowers appear	1		2.4a.1	Accept any one answer for 1 mark
Aural question prompt: Not applicable				
Progression Framework Statement: 2.4a.1 Observe and describe how seeds and bulbs grow into mature plants				
3. An indication of an understanding that it is referring to the 'stuff' that it is made from, e.g. what it is made from; the stuff that is used to make it	1		2.3.1	Be aware of the common usage of the word to describe fabric.
Aural question prompt: When we talk about the material something is made from, what do we mean by the word 'material'?				
Progression Framework Statement: 2.3.1 Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses				
4. a) 4 cm added to table	1		2.3.1	
Aural question prompt: Not applicable				
Progression Framework Statement: 2.3.1 Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses				
4. b) Bar for 100g drawn to 4	1		2.3.1	Minimal tolerance for height, ignore width
Aural question prompt: Not applicable				
Progression Framework Statement: 2.3.1 Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses				
4. c) yes	1		2.3.1	
Aural question prompt: Not applicable				
Progression Framework Statement: 2.3.1 Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses				

Answers and mark schemes

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Test	Mark	NC Domain	PF Code	Extra information
4. d) It went back to the length it was to start with.	1		2.3.1	
Aural question prompt: Not applicable				
Progression Framework Statement: 2.3.1 Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses				
4. e) It would break/snap.	1		2.3.1	
Aural question prompt: Not applicable				
Progression Framework Statement: 2.3.1 Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses				
5. a) i) plastic, glass ii) They are both transparent; they let the light through; you can see through them.	2		2.3.1	Both correct for 1 mark Accept anyone answer for 1 mark
Aural question prompt: Not applicable				
Progression Framework Statement: 2.3.1 Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses				
5. b) i) wood, bricks ii) They are rigid; they do not bend	2		2.3.1	Both correct for 1 mark Accept anyone answer for 1 mark Accept they are tough or strong
Aural question prompt: Not applicable				
Progression Framework Statement: 2.3.1 Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses				