

APS

Advancing Primary
Science Assessments

Year 2

**End-of-year
assessment**

Name: _____

Test date: / /

Date of birth: / /

Chronological age: years months

Unit	Marks	Unit	Marks
2.1: Biology/Humans and animals	/2	2.6: Physics/Forces and energy	/3
2.2: Biology/Being healthy	/1	2.7: Physics/Light	/2
2.3: Biology/Environments	/2	2.8: Physics/Using electricity	/4
2.4: Chemistry/Sources and properties of materials	/3	2.9: Earth and space/Planet Earth	/5
2.5: Chemistry/Changes to materials	/2	2.10: Earth and space/Earth in space	/1
Total marks			/25
SEE: Scientific enquiry and exploration			/16

1

Jack is learning how to keep his teeth healthy.
He asked people which of these things they do every day.
He recorded their answers in a table.

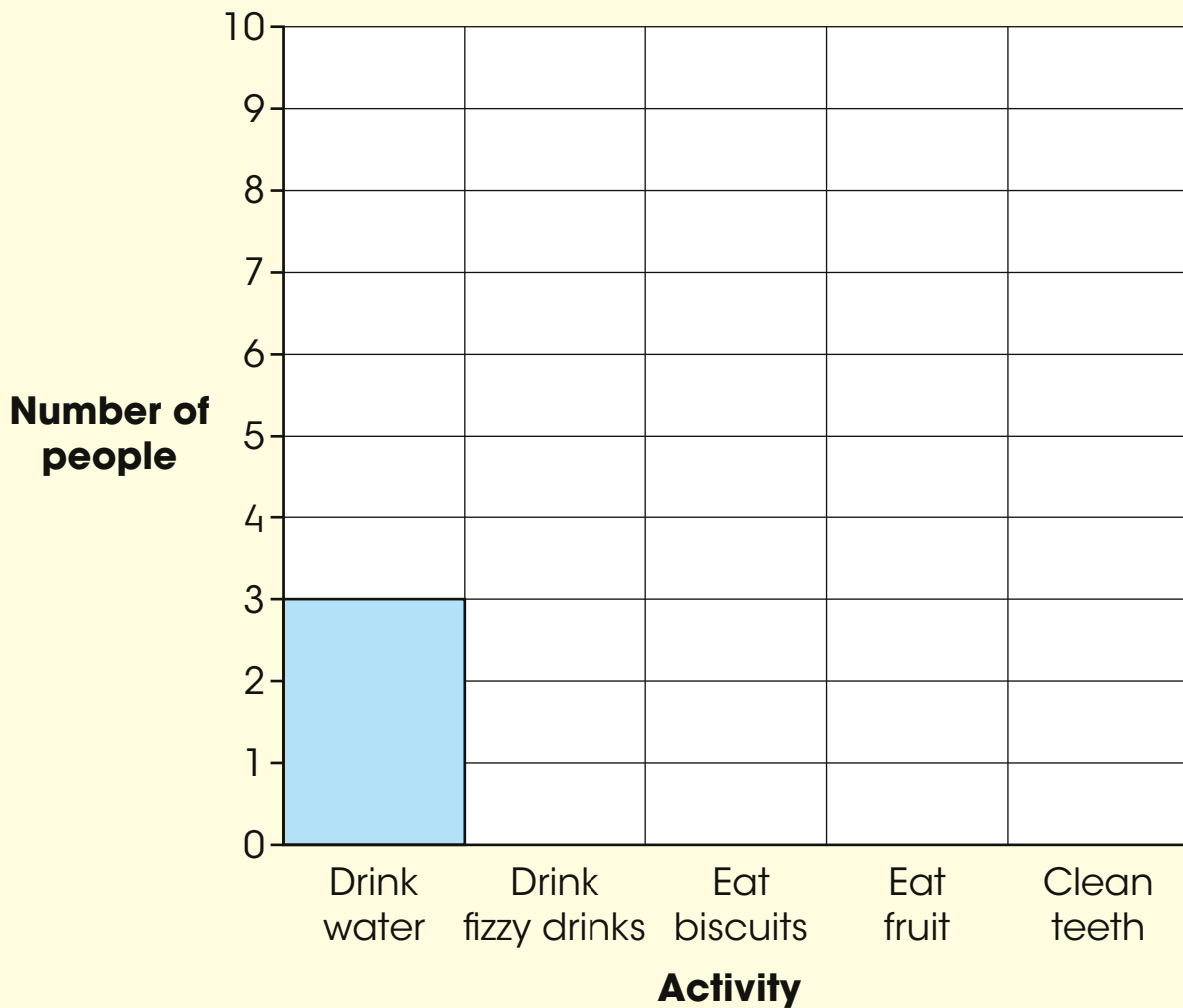
Activity		Number of people
drink water		III
drink fizzy drinks		IIII
eat biscuits		IIII
eat fruit		III
clean teeth		IIII

SAMPLE



Draw a block graph of Jack's results.

One block has been done for you.



/1

2.2
SEE

SAMPLE

page total

Maris tested different materials to identify their properties. She recorded her results in a table.

Object	Material	Hard	Strong	Bendy	Waterproof
umbrella 	plastic		✓	✓	✓
window 	glass	✓			✓
frying pan 	metal	✓	✓		✓
garden shed 	wood	✓	✓		✓
cup 	ceramic	✓			✓
scarf 	wool			✓	



a) **Which** material would you use to make a raincoat? Use the results to **explain** your answer.

/1

2.4
SEE

b) **Which** material would you use to make a blanket? Use the results to **explain** your answer.

/1

2.4
SEE

c) **Which** material would you **NOT** use to make a garden fence? Use the results to **explain** your answer.

/1

2.4
SEE

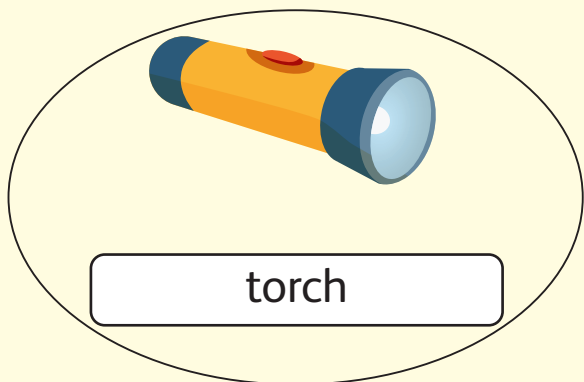
SAMPLE

page total

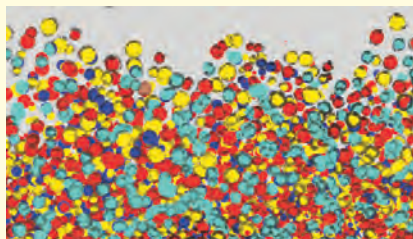
3

a) Circle the light sources.

One has been done for you.



torch



shiny glitter



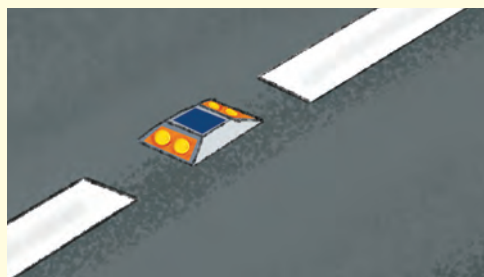
candle



the Sun



mirror



cat's eyes on the road



laptop computer



digital camera

/1

2.7
SEE



page total

b) This dark tent does not allow **any** light to get in.

The teacher asks Zara, Annay and David to predict what they will see when they go into the dark tent holding a mirror.



Who do you agree with? _____

/1

2.7
SEE

SAMPLE

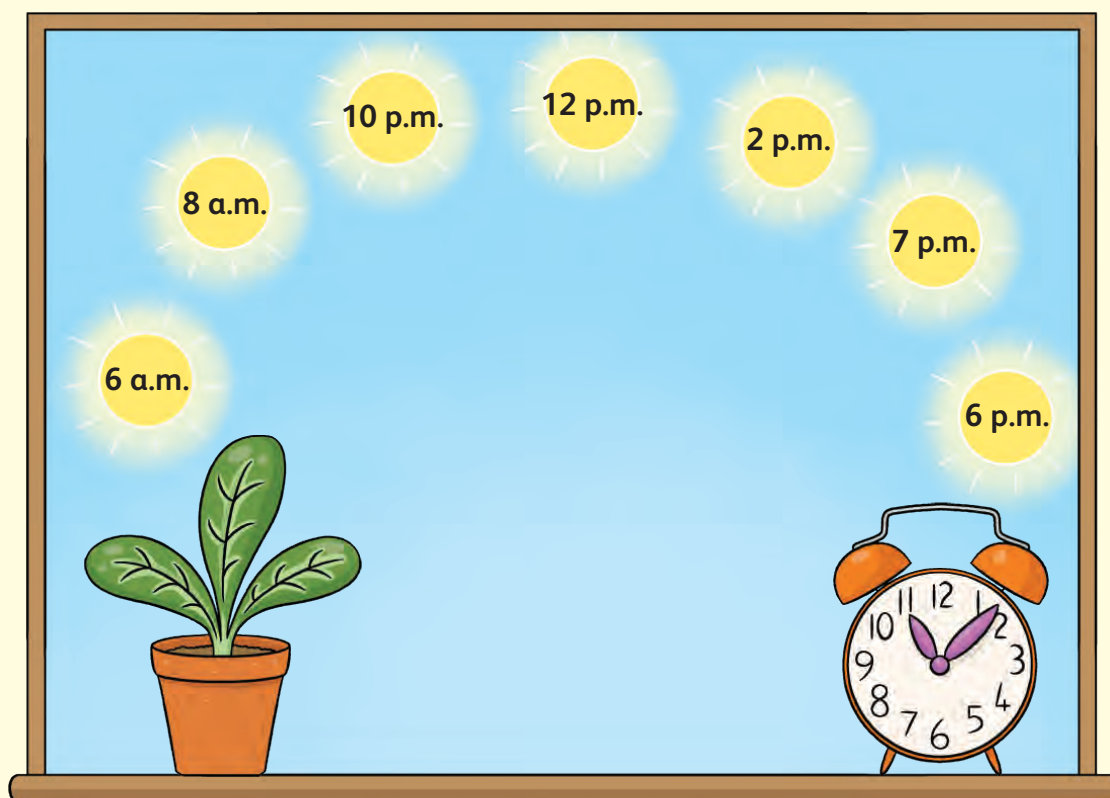
page total

4

Jack tracked the Sun and put sticky notes on the window at different times of the day.

He wrote labels on the sticky notes to show the times.

Circle the **two** mistakes he has made.



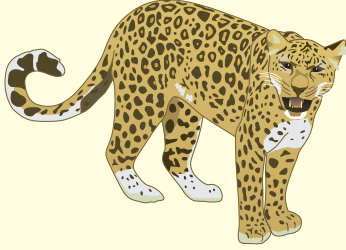
/1

2.10
SEE

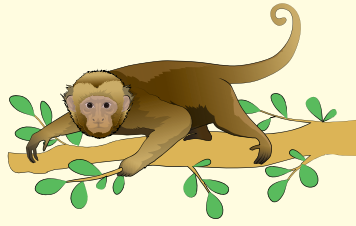
SAMPLE

page total

Here are some animals.



jaguar



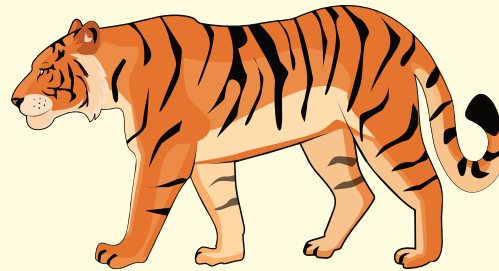
monkey



macaw



gorilla



tiger

a) Circle the habitat that **all** these animals live in.

wood

pond

river

jungle

garden

marsh

/1

2.3

b) Tick (✓) the **one** sentence about habitats that is true.

☐

A habitat is an animal's home.

☐

Plants do not have habitats.

☐

A habitat is an environment where an animal naturally lives.

/1

2.3

SAMPLE

page total

6 Pia placed different foods onto hot tin foil and observed them.

Sort the foods into **two** groups: foods that melted and foods that did not melt.

Write or draw your answers in the table.

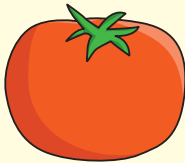
One has been done for you.



rice



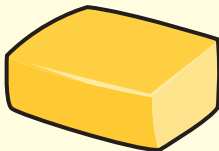
ice



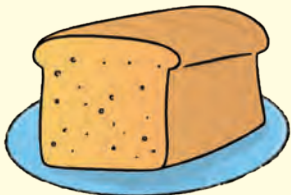
tomato



chocolate



butter



bread

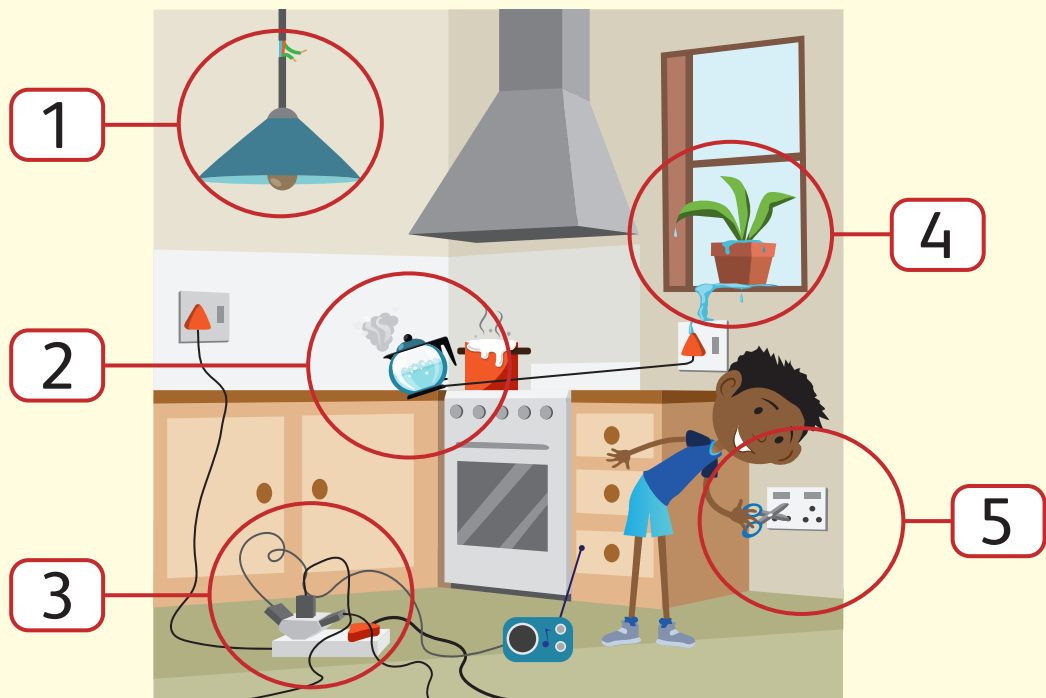
Foods that melted	Foods that did not melt
	rice 

/2
2.5
SEE

page total

a) Match each numbered part of the picture to the reason why it is dangerous.

One has been done for you.



Numbered part of picture
1
2
3
4
5

Reason why it is dangerous
overloaded socket
water near socket
metal in socket
frayed wire
stretched wire

/1
2.8

b) Circle all the materials that conduct electricity.

metals

wood

plastics

/1
2.8

page total

8 Zara looked carefully at samples of different rocks that were formed in volcanoes. She completed a table of her observations.

Rock	Rough	Smooth	Hard	Soft	Dull	Shiny	Holes
obsidian 		✓	✓			✓	
pumice 	✓		✓		✓		✓
basalt 	✓		✓		✓		

a) Which property do obsidian and pumice **both** have?

Which properties do basalt and pumice **both** have?

b) Which of the rocks do you think will float on water?
Give a reason for your answer.

/1

2.9

SEE

/1

2.9

SEE

SAMPLE

page total

9

Look at the picture of this woman.



a) Which of these features are inherited from her parents?
Circle your answers.

hair style

eye colour

nose shape

jewellery

mouth shape

/1

2.1

b) A tawny owl is a bird.



Name one feature that the woman and the tawny owl both have.

/1

2.1

page total

10

a) Match each component to its name.

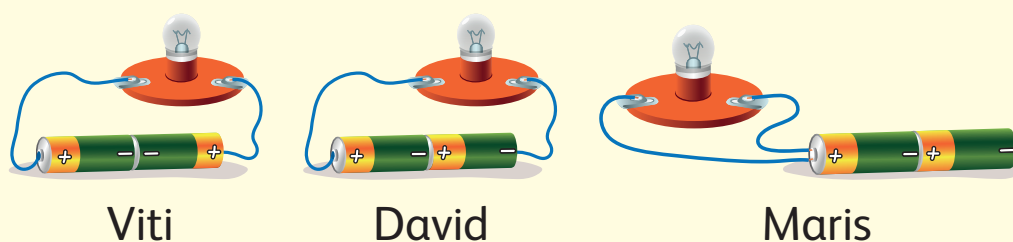
One has been done for you.

Component	Name
	lamp
	cell
	wire
	lamp holder

/1

2.8
SEE

b) Viti, David and Maris made electrical circuits with one lamp and two cells.



Whose circuit will work? Circle your answer.

Viti

David

Maris

/1

2.8
SEE

page total

11 Materials can be collected from the Earth from mines, quarries and riverbeds.

a) Are these statements **true or false**?

Tick (✓) **one** box in each row.

Statement	True	False
Gold can be extracted from riverbeds.		
Diamonds are extracted from a quarry.		
Marble is extracted from a mine.		
Coal is extracted from a mine.		

/2
2.9

b) **Circle all** the collection methods that can cause damage to planet Earth.

mine

quarry

riverbed

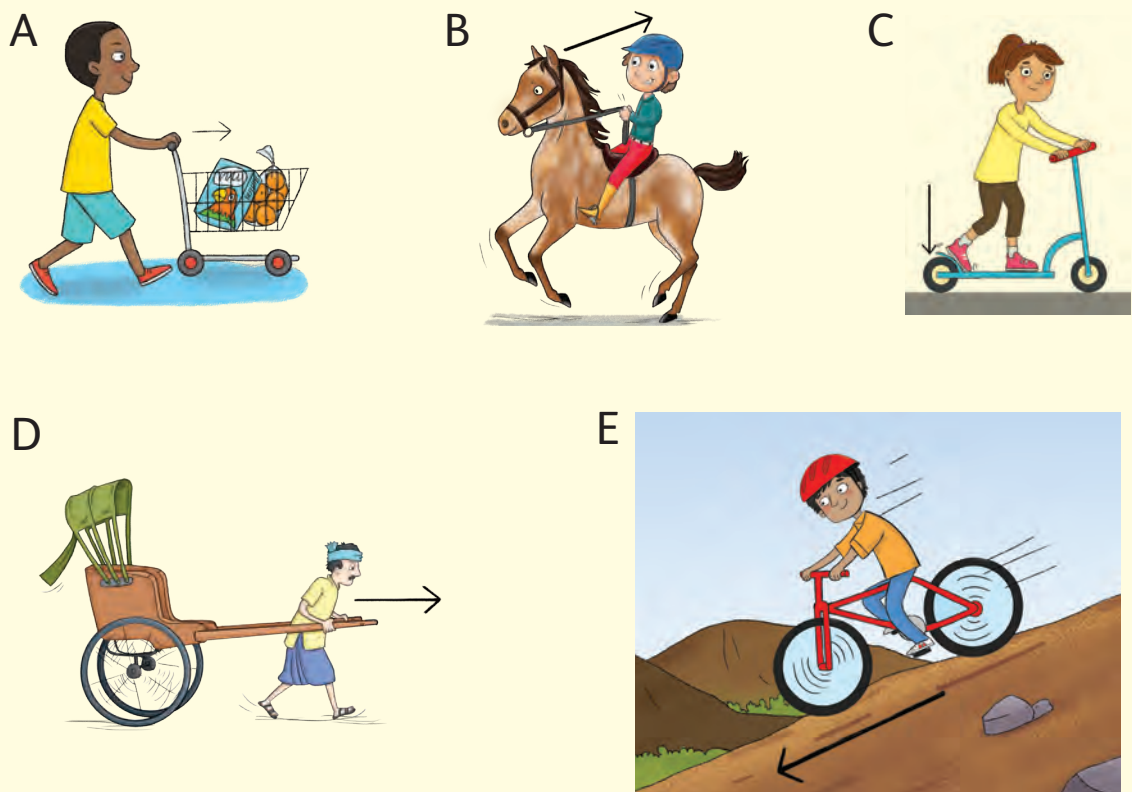


/1
2.9

SAMPLE

page total

12 a) Look at these different types of movement.



Is each force a push or a pull?
Tick (✓) **one** box in each row.

Type of movement	Push	Pull
A: moving a trolley		
B: riding a horse		
C: riding a scooter		
D: moving a rickshaw		
E: riding a bike downhill		

/2
2.6
SEE

SAMPLE



page total

b) Circle the force you would use to stretch an elastic band.

push

pull



/1

2.6
SEE

SAMPLE

page total

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ISBN: 978 1 0360 1917 4

© Hodder & Stoughton Limited 2026

First published in 2026 by Hachette Learning
(a trading division of Hodder & Stoughton Limited),
An Hachette UK Company
Carmelite House
50 Victoria Embankment
London EC4Y 0DZ

www.hachettelearning.com

The authorised representative in the EEA is Hachette Ireland,
8 Castlecourt Centre, Dublin 15, D15 YF6A, Ireland
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Impression number 10 9 8 7 6 5 4 3 2 1

Year 2030 2029 2028 2027 2026

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Authors: Andrea Mapplebeck and Tanya Shields
Series editor: Judith Amery

Typeset by Aptara
Printed in the United Kingdom

A catalogue record for this title is available from the British Library.

