

Cambridge Primary Sample Test
For use with curriculum published in
September 2020

Science Paper 2
Mark Scheme
Stage 3

General guidelines on marking

Many descriptive answers can be expressed in a variety of ways. Professional judgement can be used in these cases, providing it matches the marking points and further information in the mark scheme.

Answers may have words spelt incorrectly. Credit is normally given for phonetically correct answers, unless the word has a scientifically different meaning. For example, where the answer should be antennae, credit will be given for antena but not for anthen (too close to anther).

Only the science is being assessed so answers do not need to be grammatically correct. Significant figures will be indicated in the question or in the mark scheme.

Unless specified all marking points are independent.

Annotations and abbreviations

/ OR alternate responses for the same marking point

() brackets the words or units in brackets do not need to be stated, for example, (recycles or

releases or provides) minerals = minerals scores the mark

<u>Underline</u> exact word is required

Accept an acceptable response

Do not accept indicates an incorrect response that would contradict another otherwise correct

alternative

Ignore indicates an irrelevant answer that is not creditworthy. Full marks can still be achieved

even with answers that are ignored.

Note provides extra information when necessary

ecf error carried forward; marks are awarded if an incorrect response has been carried

forward from earlier working, provided the subsequent working is correct

ora or reverse argument; for example, as mass increases, volume increases could be

written as mass decreases, volume decreases

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Question	Answer	Marks	Further Information
1(a)	balance forcemeter magnet ruler	1	more than one answer circled = 0 marks
			Accept any indication of the correct answer, e.g. ticking or underlining but circling takes precedence
1(b)	friction gravity magnetism mass	1	more than one answer circled = 0 marks
			Accept any indication of the correct answer, e.g. ticking or underlining but circling takes precedence

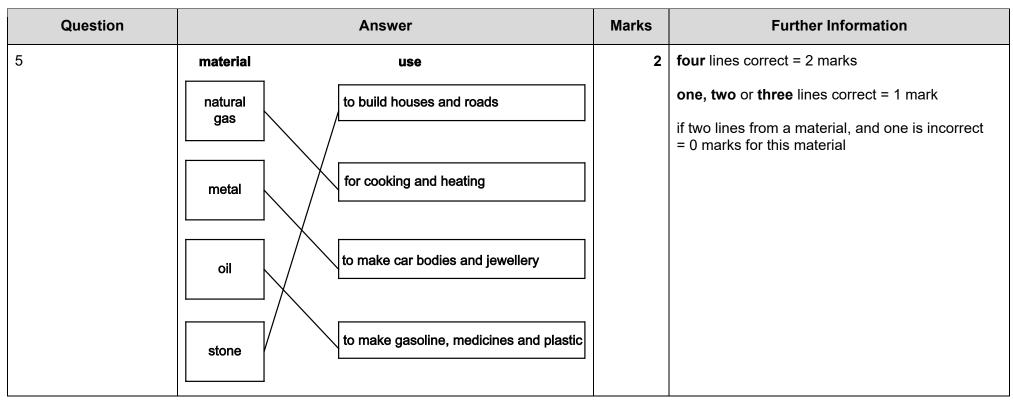
Question	Answer	Marks	Further Information
2(a)		1	more than one answer circled = 0 marks Accept any indication of the correct answer, e.g. ticking or underlining but circling takes precedence
2(b)		1	Ignore the size of the shadow

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Question	Answer	Marks	Further Information
3(a)	frog tadpole froglet	1	all correct = 1 mark
3(b)	number of 6 tadpoles 5 4 3 2 1 0 0 - 30 31 - 40 41 - 50 51 - 60 length of tadpole in mm	1	both bars correct = 1 mark
3(c)	Most of the tadpoles have a length of 41 mm to 50 mm.	1	both numbers correct, either order
			ecf from bar chart

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Question	Answer		Further Information
4(a)	pick the dull ones out/pick the shiny ones out	1	
4(b)	sieve	1	Accept pick the small ones out/pick the large ones out



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Question	Answer	Marks	Further Information
6(a)	The animal is a bird because it has feathers/wings/a beak	1	bird and feature needed for one mark Accept lays eggs
			any incorrect feature = 0 marks
6(b)	This animal is a type of insect because it has six legs/three body parts/an exoskeleton/antennae	1	insect and feature needed for one mark any incorrect feature = 0 marks
			Ignore named insects e.g. ant

Question	Answer	Marks	Further Information
7(a)		2	each correct label = 1 mark
	sand and water		Accept wet sand
	water		Accept filtrate
7(b)	Sand does not dissolve in the water.	2	each correct answer = 1 mark
	Wet sand contains a small amount of water.		
	Wet sand can be dried by heating .		Accept allowing the water to evaporate

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Question	Answer			Marks	Further Information
8(a)	any two from			2	
	put the magnet near the object				
	if it attracts it is magnetic				Accept it is magnetic if it sticks to the magnet
	if it does not attract it is not magnetic				Accept it does not stick to the magnet
8(b)	magnetic objects	not magnetic objects		1	all correct any order = 1 mark
	spoon	egg cup			Accept shortened names e.g. cup/toy
	key	plastic toy			Accept correct answer anywhere in the question but answer in the table takes precedence
	paper clip	chalk			
		pen			
		rock			
			1		

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Question	Answer	Marks	Further Information
9	any number between 13 and 29 inclusive	1	

Question	Answer		Further Information
10(a)	solid iron steel glass	1	all correct, any order = 1 mark
10(b)	more than two colours/all different colours	1	

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Question	Answer		Marks	Further Information	
11(a)	any one from		1	Accept it has flowers	
	large leaves/many leaves				
	spread out				
	upright				
11(b)		plant after		2	four correct = 2 marks
		10 days (healthy)			two or three correct = 1 mark
		not healthy			one correct = 0 marks
		not healthy			
		not healthy			
		not healthy			

Question	Answer		Further Information
12(a)	(idea that) Mike turns/spins/rotates	1	
12(b)	size/shape	1	

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Question	Answer		Further Information
13(a)	What is the temperature of the floor?		more than one answer circled = 0 marks
			Accept any indication of the correct answer, e.g. ticking or underlining but circling takes
	What is the size of the floor?		precedence
	What distance does the car travel?		
13(b)	to compare the measurements	1	

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