

Cambridge International Examinations Cambridge Primary Checkpoint

SCIENCE 0846/02

Paper 2

For Examination from 2014

SPECIMEN MARK SCHEME

45 minutes

MAXIMUM MARK: 50



Question	1			
Part	Mark	Answer		Further Information
	2	The Sun takes 1 year to orbit the Earth. The Earth takes 1 year to orbit the Sun. The Earth takes 24 hours to orbit the Sun. The Earth spins on its axis once every 24 hours. The Earth spins on its axis once every year.	✓	2 ticks, both correct = 2 marks 2 ticks, 1 correct = 1 mark 3 ticks, 2 correct = 1 mark 3 ticks, 1 correct = 0 mark 4 or 5 ticks = 0 mark
Total	2			

Question	2		
Part	Mark	Answer	Further Information
(a)	1	living things that have never lived kangaroo rock rat sand seaweed	Both columns correct = 1 mark
(b)	1	it grows it feels warm it can get smaller it makes young ones	2 ticks, both correct = 1 mark 2 ticks, 1 correct = 0 marks 3 ticks, 2 correct = 0 marks 4 ticks = 0 marks
Total	2		1

Question	3						
Part	Mark	Ansv	wer				Further Information
(a)	1						All correct = 1 mark
			solid	liquid	gas		
			butter	orange juice	steam	-	
			chocolate	water			
			ice				
						_	
(b)	1	melti	ing				
(c)	1	freez	zing				
(d)	1	(turn evap	s to) steam /	water vapour	· /a gas /		Do not accept it gets hot
Total	4						•

Question	4	
Part	Mark	Answer Further Information
(a)	2	producer an animal that eats another animal a green plant that makes its own food an animal that is eaten 3 correct = 2 marks 1 or 2 correct = 1 mark
(b)	1	a plant that eats another plant a plant that eats an animal an animal that eats a plant a plant that eats a plant a plant that eats plants and animals
Total	3	

Question	5		
Part	Mark	Answer	Further Information
(a)	1	The puppet makes an image called a shadow on the screen.	
(b)	1	move the puppet away from the light / move puppet towards screen	
(c)	1		Both boxes ticked = 0 marks
(d)	1	no image / no shadow	Accept the word nothing or no 'light coming through' or blank screen
Total	4		ı

Question	6		
Part	Mark	Answer	Further Information
(a)	1	В	Accept 78
			2 or more answers = 0 marks
(b)	1	С	Accept 100
			2 or more answers = 0 marks
(c)	2	During boiling liquid changes into a gas.	Each correct sentence = 1
		During freezing liquid changes into a solid .	mark
Total	4		

Question	7			
Part	Mark	Answer		Further Information
	1	measure the shoots		1 tick, correct = 1 mark 2 ticks, 1 correct = 0 marks
		put the pots in the same place	✓	3 ticks, 1 correct = 0 marks
		measures each shoot on a different day		4 ticks = 0 marks
		uses 4 different pots		
Total	1			

Question	8		
Part	Mark	Answer	Further Information
(a)	1	B and C	
(b)	1	D	
(c)	2	animals hooks to fur / they stick to the animal	Each correct answer = 1 mark
Total	4		•

Question	9		
Part	Mark	Answer	Further Information
	3	measurement equipment	Each correct answer = 1
		ruler	mark
		mass of tablet thermometer	Each measurement must only have one line coming
		temperature of the water beaker	from it
		volume of water measuring cylinder	er
		balance	
Total	3		•

Question	10		
Part	Mark	Answer	Further Information
(a)	1	predaceous insects	Do not accept insects
(b)	2	foxes, owls, snakes	Any order
			3 correct = 2 marks
			2 correct = 1 mark
			1 correct = 0 marks
(c)	1	Any one from:	
		plants → mice → foxes plants → mice → owls plants → mice → snakes	
Total	4		

Question	11		
Part	Mark	Answer	Further Information
(a)	1	vibration(s)	
(b)	1	hits a smaller key	
(c)	1	13:00	Accept 1 pm
(d)	1	gets louder and then softer/quieter	Accept goes up and then goes down
(e)	1	insulates from sound	Accept absorbs / muffles sound or does not let sound through / foam is sound proof / foam stops sound
Total	5		-

Question	12		
Part	Mark	Answer	Further Information
(a)	1	chalk	
(b)	1	sugar solution	Do not accept solution
(c)	1	2 (g)	
Total	3		

Question	13			
Part	Mark	Answer		Further Information
(a)	2	from	to	1 mark for each
		the body	the heart	
		the lungs	the body	
		the heart	the lungs 🗸	
		the heart	→ the body ✓	
(b)	2	oxygen nutrients / food		Either order Allow O ₂ for oxygen Accept hormones, water, enzymes, sugar, proteins, glucose
(c)	1	carbon dioxide		Accept CO ₂
Total	5			

Question	14		
Part	Mark	Answer	Further Information
(a)	1	good conductor of electricity	Do not accept 'good conductor' unqualified
(b)	2	good conductor of heat high melting point	Do not accept 'good conductor' unqualified Each correct answer = 1 mark 3 reasons, and 2 correct = 1 mark 3 reasons, and 1 correct = 0 marks 4 reasons = 0 marks
Total	3		

Question	15		
Part	Mark	Answer	Further Information
(a)	1	ruler / rule	
(b)	1	conclusion measurement method prediction	More than 1 circled = 0 marks
(c)	1	clamp base to bench / wear goggles (or eye protection / spectacles)	Accept any suitable safety precaution relevant to this investigation
Total	3		