

Cambridge International Examinations

Cambridge Primary Checkpoint

SCIENCE 0846/01

Paper 1 October 2015

FINAL MARK SCHEME Maximum Mark: 50

IMPORTANT NOTICE

Mark Schemes have been issued on the basis of **one** copy per Assistant Examiner and two copies per Team Leader.



Question	number	1 CPSC		00356
Part	Mark	Answer		Further Information
(a)	1	bird g	locust scorpion	more than one word circled = 0 marks Accept any indication of the correct answer
(b)	1	grass		Ignore plants
(c)	1	locust		Ignore insects
(d)	1	Producer (predator prey	more than one word circled = 0 marks Accept any indication of the correct answer
(e)	1	baboon tick		arrow from tick to baboon = 1 mark any incorrect arrows = 0 marks if no arrow drawn please check the food chains at the beginning of the question
Total	5			1

Question	Question number			CPS	00452
Part	Mark	Answer			Further Information
(a)	1	lamp		ball D N	both correct = 1 mark Accept day and night correctly labelled Accept if they are drawn outside the circle e.g.
(b)	1	spins move	the ball of axis es the lamp are es the ball arou	on its own	more than one answer circled = 0 marks Accept any indication of the correct answer
Total	2				

Question number		3	CPS00226	
Part	Mark	Answer		Further Information
(a)	1	touch		Accept feeling / feel
				Do not accept sensitivity / hands
(b)	1	When they guess what the object is this is called a prediction .		Accept any indication of the correct answer but response on answer line takes precedence
(c)	1	sight		Accept seeing / see / visual
				Ignore looking / eyes
Total	3			

Question	number	4	CPS00406		
Part	Mark	Answer		Further Information	
(a)	1		the weight of an object the loudness of a sound the speed of a sound	more than one answer circled = 0 marks	
				Accept any indication of the correct answer	
(b)	1	Key A has	s a higher pitch	more than one answer ticked = 0 marks	
		Key B has	s a higher pitch	Accept any indication of the correct answer	
		Key A is lo	ouder than key B .		
		Key B is lo	ouder than key A .		
Total	2			ı	

Question	number	5	CPS00380	
Part	Mark	Answer		Further Information
(a)	1	melting		Accept melt / melted
(b)	1	boiling / evap	oration	Accept boil / evaporate
				Ignore heating
(c)	1	freezing		Accept freeze
				Ignore solidifying
(d)	1	condensation		Accept condense / condensing
Total	4			

Question	number	6	CPS	CPS00299		
Part	Mark	Answer		Further Information		
(a)	1	strong		Accept insoluble in water Ignore not poisonous Do not accept attracted to a magnet not attracted to a magnet brittle (breaks easily) flexible (bends easily) poisonous soluble in water weak a good electrical conductor a poor electrical conductor		
(b)	1	attracted to a magnet		more than one property = 0 marks		
(c)	1	not poisonous / insoluble in water		Accept flexible (bends easily) Ignore strong Do not accept attracted to a magnet not attracted to a magnet brittle (breaks easily) poisonous soluble in water weak a good electrical conductor a poor electrical conductor		
(d)	1	flexible / inso	luble in water	Ignore strong not poisonous Do not accept attracted to a magnet not attracted to a magnet brittle (breaks easily) poisonous soluble in water weak a good electrical conductor a poor electrical conductor		

(e)	1	a good (electrical) conductor / flexible	Ignore strong
			Do not accept insoluble in water attracted to a magnet not attracted to a magnet brittle (breaks easily) poisonous not poisonous soluble in water weak a poor electrical conductor
Total	5		

Question	Question number 7		CPS	00421		
Part	Mark	Answer			Further Information	
(a)	2	(surface (1) 2 3	e)	(number of) marbles 5 (6) 2		5 correct = 2 marks 4 or 3 correct = 1 mark 1 or 2 correct = 0 marks Do not accept marbles written within the table, max 1 mark if everything else correct
(b)	2	The smoothe	The surface with the most friction is surface 2 . The smoothest surface is surface 3 because it takes 2 marbles to move the block.			each correct sentence = 1 mark ecf from part a Accept least / lowest / less
Total	4					

Question	number	8			CPS	00435
Part	Mark	Answer				Further Information
(a)	2	number of batteries (1) (2) (1)	number of lamps (2) (2) (3)	brightness of lamps (normal) bright dim		each correct answer = 1 mark
(b)	1					Do not accept if there are gaps in the circuit the circuit must be complete cell can be between the lamps as long as all in a complete circle Accept a switch as long as it is closed Ignore lines through the cell and lamps e.g. = 1 mark
Total	3					1

Question number		9	CPS	00306
Part	Mark	Answer		Further Information
(a)	1	The skull p	rotects the brain.	Accept cranium for skull
	1	The ribcag	e protects the lungs.	Accept ribs for ribcage
				each correct answer = 1 mark
(b)	1	it contracts / (gets shorter	Accept it gets fatter/ bigger
Total	3			•

Question	Question number		CPS00398		
Part	Mark	Answer		Further Information	
(a)	2	pedalling a bicycle up a hill	hot air balloon moving through the air wind turbine turning lined up	4 correctly circled = 2 marks 2 or 3 correctly circled = 1 mark 1 correctly circled = 0 marks all 5 circled = 1 mark 2 or 3 correctly circled and 1 incorrectly circled = 0 marks Accept any indication of the correct answer	
(b)	1	(idea of) run f	faster	Accept accelerate / increase speed / increases velocity Ignore apply more force	
Total	3			ізпоте арру тоге югое	

Question number		11	CPS00240		
Part	Mark	Answer		Further Information	
(a)	1			more than one answer circled = 0 marks Accept any indication of the correct answer	
(b)	1	thermometer			
Total	2				

Question number		12	CPS00431		
Part	Mark	Answer		Further Information	
(a)	1	the	e object is opaque	more than one answer circled = 0 marks	
			e object is transparent ct is transparent and opaque	Accept any indication of the correct answer	
(b)	1		decreases	more than one answer circled = 0 marks	
			stays the same Accept any indication correct answer		
(c)	1		decreases	more than one answer circled = 0 marks	
			stays the same	Accept any indication of the correct answer	
Total	3			1	

Question number		13	CPS00368			
Part	Mark	Answer		Further Information		
	2	reason	positive? (tick ✓)	negative? (tick ✓)	3 correct = 2 marks 1 or 2 correct = 1 mark	
		creates jo	obs 🗸		if there is more than one tick for	
		removes tr	ees	✓	each row, then that row is incorrect	
		fills in a po	ond	✓		
Total	2				l	

Question number		14	CPS00255		
Part	Mark	Answer		Further Information	
(a)	1	stopwatch / stop clock / timer		Accept chronometer	
				Do not accept clock / watch	
(b)	1	100 (cm ³)			
Total	2				

Question number		15	CPS00354		
Part	Mark	Answer		Further Information	
(a)	1	carpel nec	ctary petal sepal stigma	both required for one mark	
				if there are one, three or more circled = 0 marks	
				Accept any indication of the correct answer	
(b)	1	seed(s)		Accept zygote / embryo	
				Ignore baby	
Total	2				

Question number		16	CPS00109_A			
Part	Mark	Answer			Further Information	
(a)	2	(A) C F (E) B D			C F in correct order / place = 1 mark B D in correct order / place = 1 mark	
(b)	1	sand				
(c)	2	step heat B		process condensation dissolution evaporation filtration	B evaporation = 1 mark F filtration = 1 mark if more than one line drawn from B = 0 marks for B if more than one line drawn from F = 0 marks for F	
Total	5					

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