

Cambridge International Examinations

Cambridge Primary Checkpoint

SCIENCE 0846/02

Paper 2 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	CPS00314		
Part	Mark	Answer		Further Information	
	3	A food chair	n starts with a producer .	4 correct = 3 marks 2 or 3 correct = 2 marks	
		Any animal prey .	eaten by another animal is their	1 correct = 1 mark	
			nat eats something else in the s a consumer .		
		An animal the predator	nat eats another animal is a	Accept consumer	
Total	3				

Question number		2	CPS00314		
Part	Mark	Answer		Further Information	
(a)	1	300(°C)			
(b)	1	D			
(c)	1	changes (fro	om a liquid) to a gas / evaporates	Accept changes to vapour	
				Do not accept changes to steam / water vapour	
(d)	1	100(°C)			
Total	4				

Question	number	3		CPSC	00405
Part	Mark	Answer			Further Information
(a)	1	force meter	balance sound mete	ruler	more than one answer circled = 0 marks Accept any indication of the correct answer
(b)	1	pluck / pick	/ move / vibrate (th	e string(s))	Accept strum / pull Ignore play / tighten / loosen / hit / strike / use / bang (the guitar / string(s))
(C)	1	Play the vi	olins harder. olins softer. e violins playing. violins playing.	✓	both needed for 1 mark more than two ticks = 0 marks
Total	3				

Question	Question number		CPS	00510	
Part	Mark	Answer		Further Information	
	3	B = Alpine A C = Cowber D = Fairy Th		Accept partial names, e.g. Bellflower 5 correct = 3 marks 3 or 4 correct = 2 marks 1 or 2 correct = 1 mark	
Total	3				

Question	number	5	CPS	00256
Part	Mark	Answer		Further Information
(a)	1	evaporation filtration magnetic attraction sieving		Accept any indication of the correct answer more than 1 answer circled = 0 marks
(b)	1		evaporation filtration magnetic attraction sieving	Accept any indication of the correct answer more than 1 answer circled = 0 marks
(c)	1		evaporation filtration magnetic attraction sieving	Accept any indication of the correct answer more than 1 answer circled = 0 marks
Total	3			

Question	number	6	CPS00238		
Part	Mark	Answer		Further Information	
(a)	1			more than one answer circled = 0 marks	
				Accept any indication of the correct answer	
(b)	1	(b	peats per minute	more than one answer circled = 0 marks	
			beats per second	Accept any indication of the correct answer	
			minutes per beat		
			seconds per beat		
(c)	1	Pierre thinks his pulse rate will increase .		Accept any indication of the correct answer but response on answer line takes precedence	
(d)	1		conclusion	more than one answer circled = 0 marks	
			method		
			prediction	Accept any indication of the correct answer	
			result		
(e)	1	to make it mo	re reliable	Accept (idea of) checking results / to see if they are the same	
				Ignore to get the average / to get the mean / to get precise results	
				Do not accept to make the results more accurate / to make it a fair test	
Total	5				

Question number		7	CPS00265_A		
Part	Mark	Answer		Further Information	
(a)	1	evaporation		Accept evaporate	
				Ignore heating	
				Do not accept boiling	
(b)	1	condensation		Accept condense / condensing	
(c)	1	freezing		Accept freeze	
				Ignore solidifying	
(d)	1		lume of water decreases / all the	Accept bubbles / salt	
		water disappears / white solid / white crystals / steam / water vapour / gas produced		Ignore boiling	
Total	4			1	

Question number		8	CPS00325			
Part	Mark	Answer			Further Information	
	1	her hands a Lily's mass i hands are u Lily's mass i	s less when her		more than one answer ticked = 0 marks Accept any indication of the correct answer	
Total	1					

Question number		9 CPS00311				
Part	Mark	Answer				Further Information
(a)	1	attract insects	attract insects / attract bees			Accept use insects for pollination
(b)	1	anther	$\overline{}$	carpel	ovary	more than one answer circled = 0 marks
						Accept any indication of the correct answer
(c)	1	nectary	petal	sepal	stigma	more than one answer circled = 0 marks
						Accept any indication of the correct answer
Total	3					•

Questio	n number	10	CPSC	00320
Part	Mark	Answer		Further Information
(a)	3	switch (open)	cell or battery wire or lead lamp or bulb	4 correct = 3 marks 2 or 3 correct = 2 marks 1 correct = 1 mark Accept connector for wire Ignore circuit for wire Accept (negative or positive) terminal of cell or battery for cell or battery
(b)	1	(idea of) circu joined up	uit is broken / not complete / not	Accept there is a gap / there is a hole Do not accept the switch is on / off
(c)	1	connected to	the wrong way round / negative negative / positive connected to itive not connected to negative	Accept terminals wrong way round Accept cell or battery is on wrong side or in wrong place Do not accept the switch is on / off
Total	5			1

Question	number	11	CPS00504		
Part	Mark	Answer		Further Information	
(a)	1	ruler		Accept measuring tape / tape measure / tape ruler	
				Ignore scale on its own or measuring scale	
(b)	1	A (C) D	Е	more than one answer circled = 0 marks	
				Accept any indication of the correct answer	
(c)	1	C is the short	est / shorter	answer must be comparative e.g. C is short compared to A B and D	
				Do not accept C is short	
Total	3			,	

Question	number	12	CPS	CPS00092		
Part	Mark	Answer		Further Information		
	3	Any three from	om:			
		wide feet / pa	ndded feet	just 'feet' is insufficient		
		hump		Accept bump (on back)		
		eyelids / long	eye lashes / eye brows			
		covered nost	rils / nostrils that close	just 'nostrils' is insufficient		
		lips that close	e / thick lips	just 'lips' is insufficient		
		short hair / th	ick hair / hair for camouflage	just 'hair' is insufficient		
		long legs		Ignore large legs		
				Accept as an extra marking point: can go a long time without drinking		
Total	3			1		

Question number		13	CPS00410		
Part	Mark	Answer	Answer		Further Information
	1	Edwin Hubb	le		more than one answer ticked = 0 marks
		Galileo Galil	ei	✓	Accept any indication of the correct answer
		Isaac Newto	n		
		Leonardo da	a Vinci		
Total	1				

Question number		14	CPS00246	
Part	Mark	Answer		Further Information
(a)	1	measuring cylinder		Accept cylinder
				Do not accept measuring tube / beaker
(b)	1	35 (cm ³)		unit not needed
(c)	1		balance	more than one answer circled = 0 marks
			beaker	Accept any indication of the correct answer
			ruler	
			thermometer	
(d)	1		decreases	more than one answer circled = 0 marks
			increases	Accept any indication of the correct answer
			stays the same	
Total	4			

Question number		15	CPS00453		
Part	Mark	Answer		Further Information	
(a)	2			each correct answer = 1 mark	
		light (from the Sun) is blocked (by the pointer)		Accept light is stopped / pointer is opaque	
		(idea that) the shadow (edge) is on the 14:00 (time scale)		Accept shadow falls on the 14:00	
(b)	1	the Sun moves during the day		more than one answer circled = 0 marks	
		the Earth spins on its axis during the day		Accept any indication of the correct answer	
		the Sun s	pins on its axis during the day		
(c)	1	no Sun at night / no light at night / it is only light in the day / the Sun is only seen in the day		Accept (idea that) Sun is not always visible / Sun is not there at night	
Total	4				

Question number		16	CPS00124	
Part	Mark	Answer		Further Information
	1	, ,	er to see trends / (idea of) t anomalous results	Accept (idea of) the results cannot get muddled up / results are organised / results cannot get lost / results are easy to understand / so she does not get confused Ignore to record her results properly Ignore to not forget her results Do not accept to make it reliable / fair test
Total	1			