

**Year 10 2013 B**

/ means OR eg. green / blue – answer needs green OR blue

( ) means additional, not really required eg. Gauze (mat) – gauze would be sufficient

: means AND eg. red : hot - answer needs red and hot.

Question	Evidence	Marks
1	(a) kinetic	1 mark
	(b) heat : sound (any order)	½ mark each = 1 mark
2	A	1 mark
3	(a) convection	1 mark
	(b) conduction	1 mark
4	List A                      List B Light from all sides      second Sealed box                      third Light from RHS              fifth	2 correct = 1 mark All correct = 2 marks
5	(a) Mantle : inner core : outer core (any order)	2 correct = 1 mark All correct = 2 marks
	(b) Plates	1 mark
6	(a) 22	1 mark
	(b) C	1 mark
	(c) It releases the most heat energy/ greatest increase in temperature/ got hotter (accepted any answer that loosely or otherwise compares C to others)	1 mark
7	X – mixture    Y – compound    Z – element	2 correct = 1 mark All correct = 2 marks
8	(a) Preserved remains or traces of a plant or an animal (NOT “bones”)	1 mark
	(b) D	1 mark
	(c) B	1 mark
9	Mouth – ingestion Stomach – digestion Small intestine – digestion : absorption	½ mark each = 2 marks
10	(a) sugar : starch	1 mark
	(b) protein	1 mark
	(c) A : C	1 mark
	(d) A	1 mark
	(e) Cheese : milk	1 mark
	(f) To repair body tissues	1 mark
11	(a) Anther : filament	½ mark each to a max. of 2 marks
	(b) Stigma : ovary wall : ovule	
12	(a) Three	1 mark
	(b) Yes “Six” contained 4 dyes and “eighty” contained 3 dyes so a different pen was used to write two words / “six” has one more dye than “eighty”	1 mark 1 mark
13	D	1 mark

14	(a) A	½ mark
	(b) Lamp B ticks in 1, 2 and 4 Lamp C ticks in 1 and 5	1 mark 1 mark
	(c) All of them / A, B and C	1 mark
	(d) Switch 1	½ mark
	(e) because the circuit is incomplete if it is open/ it is in a series arrangement with other component in the circuit (or reverse argument)	1 mark
15	1 – capillary 2 – artery 3 – vein	All correct = 2 marks 2 correct = 1 mark
16	(a) Tweezers and tape	½ mark each = 1 mark
	(b) Fingerprints	½ mark
	(c) <ul style="list-style-type: none"> <li>• Dust the print using the white powder and brush</li> <li>• Lift the print using the tape</li> <li>• Store print</li> </ul>	½ mark for each point = 1 ½ marks
17	(a) An acid	1 mark
	(b) Sulfuric acid	1 mark
18	D A F B	½ mark each = 2 marks
19	(a) 1200°C	½ mark
	(b) Silicic	½ mark
	(c) Underwater	1 mark
	(d) Slow moving : Reaches temperatures of about 700°C	1 mark each = 2 marks
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