

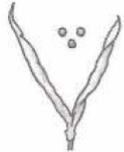
P6 Foundation Science 2017

Answer Key

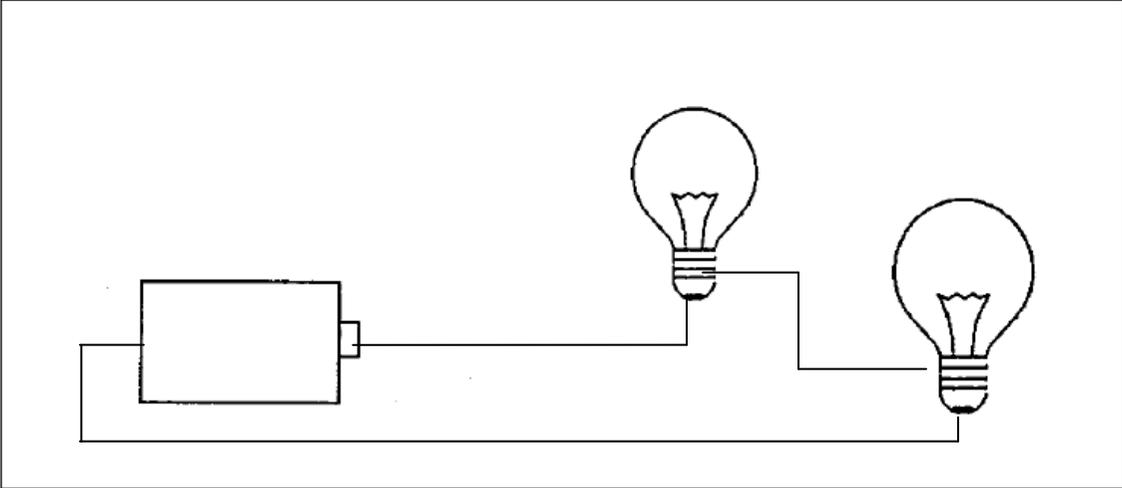
SECTION A (36 marks)

Q		Q		Q		Q	
1	2	6	3	11	3	16	3
2	3	7	1	12	3	17	2
3	3	8	2	13	2	18	2
4	3	9	1	14	3		
5	1	10	1	15	2		

SECTION B (34 marks)

Qn	Correct/ Acceptable Ans	Marks	Partially Correct Ans	Wrong Ans / Do Not Accept / Remarks
19	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><u>Seeds/Fruits</u></p>  <p>angsana</p>  <p>love grass</p>  <p>pea</p> </div> <div style="text-align: center;"> <p><u>Method of dispersal</u></p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">by splitting of fruits</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">by wind</div> <div style="border: 1px solid black; padding: 2px;">by animals</div> </div> </div> <p><i>(Note: Lines in the diagram connect angsana to 'by splitting of fruits', love grass to 'by wind', and pea to 'by animals'.)</i></p>	3m	1m for each correct answer	
20	<p>(i) Pupa (ii) Larva</p>	2m	1m for each correct answer	

21		Allows almost all light to pass through	Allows some light to pass through	Allows no light to pass through		2m	½ m for each correct answer	
		C and D	B	A				
22	(a) (i) gains heat (ii) gas (b) (i) expansion (ii) contraction					2m	½ m for each correct answer	Do not award mark if a word is used twice
23	(a) T (b) F (c) F (d) T					2m	½ m for each correct answer	Do not award mark if both options are circled
24	(a)					2m	1m for each correct tick	0m if more than 1 box is tick for

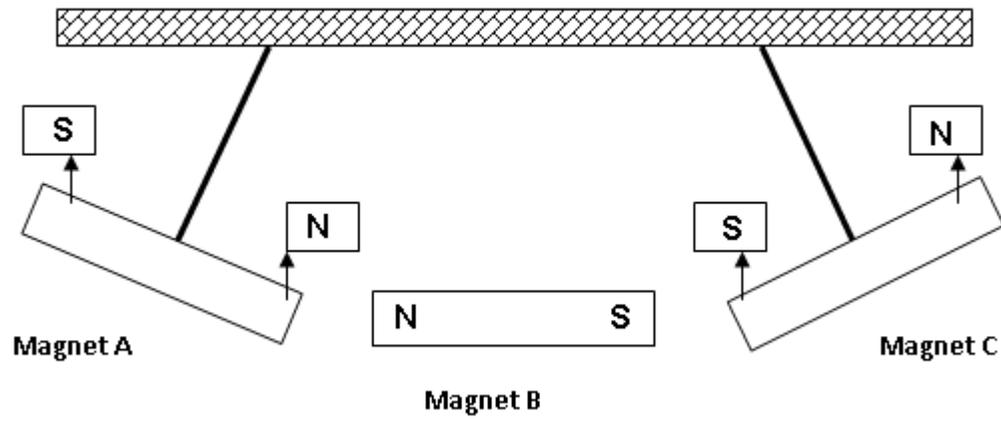
	<table border="1" data-bbox="365 105 1464 413"> <thead> <tr> <th rowspan="2">Beaker</th> <th colspan="3">Water Level</th> </tr> <tr> <th>Increase</th> <th>Decrease</th> <th>Remain the same</th> </tr> </thead> <tbody> <tr> <td>A</td> <td></td> <td>✓</td> <td></td> </tr> <tr> <td>B</td> <td></td> <td></td> <td>✓</td> </tr> </tbody> </table> <p>(b)</p> <table border="1" data-bbox="360 531 1200 756"> <tbody> <tr> <td>To show that plants absorb water</td> <td>✓</td> </tr> <tr> <td>To show that oil absorbs water</td> <td></td> </tr> <tr> <td>To show that plants have water-carrying tubes</td> <td></td> </tr> </tbody> </table>	Beaker	Water Level			Increase	Decrease	Remain the same	A		✓		B			✓	To show that plants absorb water	✓	To show that oil absorbs water		To show that plants have water-carrying tubes		1m	1m for each correct tick	each row 0m if all boxes are ticked
Beaker	Water Level																								
	Increase	Decrease	Remain the same																						
A		✓																							
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To show that plants absorb water	✓																								
To show that oil absorbs water																									
To show that plants have water-carrying tubes																									
25	<p>(a)</p>  <p>Any other correct arrangements are also accepted</p>	2m	No partial mark																						

	(b) Add more batteries (c) B, C and D	1m 1m	No partial answer	

26	<p>(a) Habitat B</p> <p>(b)</p> <p>(i) They were eaten by predators</p> <p>(ii) They had died due to shortage of food</p> <p>*Accept other possible answers</p>	1m		
27	<p>a) Material P.</p> <p>It is strong and a poor conductor of heat</p> <p>b) No it is heavy</p>	1m		
28	<p>a) No. Liquid M could not escaped from the glass because the glass was sealed.</p> <p>b) Water/water droplets</p> <p>c) The <u>water vapour in the air</u> has condensed on the colder/<u>cooler surface</u> of the car.</p>	1m	1m for each key concept in answers	

29

(a)



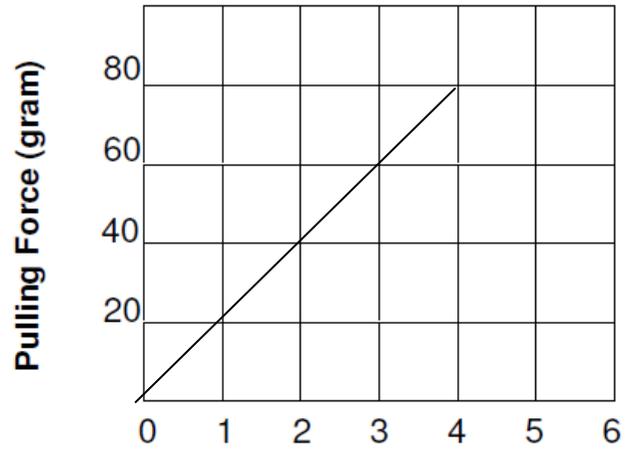
2m

(b) They will be attracted to each other

1m

30

(a)



(b) The greater the number of blocks, the greater the force required to pull them.

(c) It will be less than 20 grams.
(15 to 19 g if pupils write down a number)

1m

Nil

1m

Nil

1m

Nil