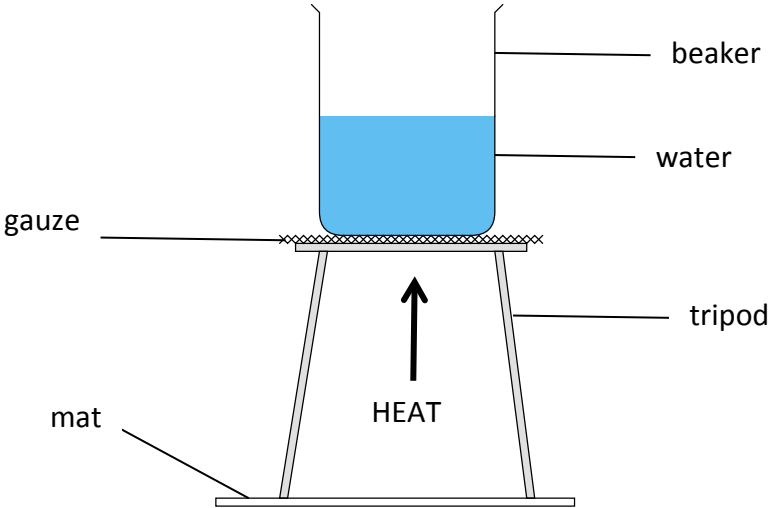
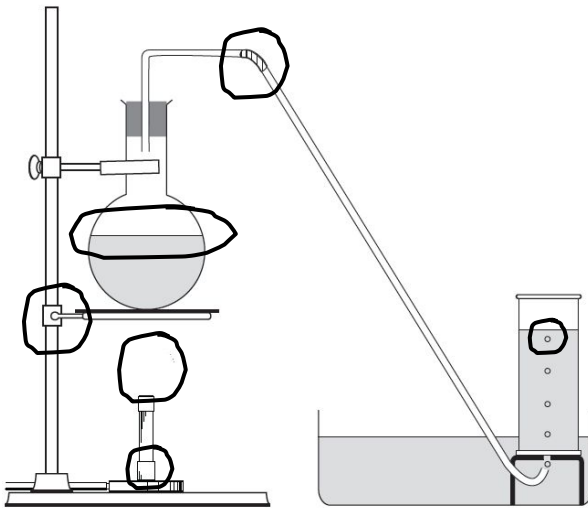


Year 9 2013 A

/ 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
One	 <p>2D diagram – 1 mark                  Correct scientific symbol – Bunsen, tripod and gauze – 1 mark                  Correct scientific symbol – beaker with water – 1 mark                  4 items labelled correctly – 1 mark                  Draw appropriate size / ruler used – 1 mark</p>	5 marks
Two (a)	grass	1 mark
(b)	carnivore	1 mark
(c)	Dolphins                  Seagulls Limpets	2-3 correct: 1 mark
(d)	Herring : crab	½ mark each = 1 mark
(e)	They (might) go down / decrease (as they don't have food to eat)	1 mark
Three (a)	26 : 41	1 mark

(b)	Alternative energy biogas / hydrogen	1 mark 1 mark
(c)	 <p>5-6 differences = 1 mark</p>	1 mark
(d)	A = <i>Musca</i> C = <i>Termes</i> E = <i>Coccinella</i>	3 correct = 2 marks, 2 correct = 1 mark
Four (a)	<ul style="list-style-type: none"> <li>time is longer with one eye open / time shorter with two eyes open</li> <li>time gets shorter (for both) with practice/more attempts</li> </ul>	1 mark each = 2 marks
(b)	3 – 4 correct bars drawn for 36, 34, 34 and 32 seconds	1 mark
(c)	B	1 mark
(d)	X	1 mark
(e)	Pupil is smallest (to protect the eye)	1 mark
Five (a)	The inks / colours in the pen would rise up the paper (or equivalent BUT NOT it would not work properly etc)	1 mark
	Because the pen is soluble in water	1 mark
(b)	more	1 mark
(c)	4	1 mark
(d)	B	1 mark
(e)	unsafe	1 mark

Six (a)	yellow	1 mark
(b)	A / yellow flame	1 mark
(c)	C : it burst into flames / caught fire	1 mark
(d)	Dirty : not a very hot flame	1 mark each = 2 marks
(e)	13 : minutes	1 mark
Seven (a)	3 points plotted correctly	1 mark
(b)	Smooth curve drawn = 1 mark not past first and last points = 1 mark	2 marks
(c)	50 seconds	1 mark
(d)	“As the temperature of the oil increases/gets higher/hotter the time to go through the cup decreases/gets shorter/is quicker etc = 2 marks BUT “as it gets hotter it is quicker” = 1 mark	2 marks