

## Assessment Schedule 9A 2006

- / 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	Answer	Marks
1	Any 2 sensible hazards chosen = 1 mark Any 2 sensible reasons =1 Any 2 safety suggestions =1	3 total
2 (a)	1 = barrel / chimney 2= collar 3= hose attachment (accept rubber tubing) 4= base ) do not accept stand	All correct = 2 2/3 = 1
2 (b)	<b>Yellow flame</b> –used when not doing experiments / safety flame <b>Blue flame</b> – used for heating / when doing experiments	Both correct = 1
2 (c)	Differences between a yellow and a blue flame are  A yellow flame is colder (than a blue flame) or vice versa  A yellow flame is dirtier/ sootier (than a blue flame) or vice versa.  A yellow flame is quieter (than a blue flame) or vice versa.	2 differences stated = 2 marks  1 difference = 1 mark
Q3	(a) cumulus (b) cumulonimbus (c) stratus (d) cirrus  (e) (i) stratus or cumulonimbus (ii) cumulonimbus (iii) cirrus or cumulus	All correct from a-d = 2 marks. 2 or 3 correct = 1 mark  All correct = 2 marks 1 or 2 = 1 mark
Q3 f	(i) H in the right place and L in the right place (ii) west or north west (iii) cold front = line with triangles Isobar = line	1 mark 1 mark Both needed for 1 mark

Question	Answer	Marks									
4	(a) i suitable solid named  ii solids have fixed shape solids are difficult to compress solids don't flow	1 mark  2 correct properties = 1 mark									
4	(b) i suitable liquid named  ii liquids flow / take shape of container / difficult to squeeze	1 mark  Any 2 properties = 1 mark									
4	(c) gases take shape of container / easy to squeeze	Any 2 properties = 1 mark									
5	b) <u>solid</u> changes to a <u>liquid</u> (both needed) c) <u>gas</u> changes to a <u>liquid</u> (both needed) d) <u>liquid</u> changes to a <u>solid</u> (both needed)	1 mark 1 mark 1 mark									
6 (a)	<table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> </tr> <tr> <th>Which birds are herbivores?</th> <th>Which birds are omnivores?</th> <th>Which birds are carnivores?</th> </tr> </thead> <tbody> <tr> <td>Fantail Kereru Waxeye</td> <td>Black backed gull Kiwi Tui</td> <td>Morepork Rifleman</td> </tr> </tbody> </table>	A	B	C	Which birds are herbivores?	Which birds are omnivores?	Which birds are carnivores?	Fantail Kereru Waxeye	Black backed gull Kiwi Tui	Morepork Rifleman	1 mark for each correct group
A	B	C									
Which birds are herbivores?	Which birds are omnivores?	Which birds are carnivores?									
Fantail Kereru Waxeye	Black backed gull Kiwi Tui	Morepork Rifleman									
6 (b) i	Vertebrates have a <b>backbone</b>	1 mark									
ii	All birds have feathers / lay eggs / have wings (not fly)/ are warm blooded have a beak ( <b>1 characteristic needed</b> )	1 mark									
7	a) B b) D c) C (amplitude) d) suitable example stated where sound could cause harm to a person e) Suitable solution proposed ie reduce volume/ reduce time of exposure / wear ear protection/ stand further away.	1 mark 1 mark 1 mark 1 mark 1 mark									

Question	Answer	Marks
8	a) i points correctly plotted points joined suitably  ii Label = height of slope   unit = cm (both needed) iii look at graph to see if answer has been correctly deduced.  b) The greater the height of the slope the <u>bigger the                  distance the car rolled</u>	1 mark 1 mark  1 mark 1 mark  1 mark
9	(a) C (b) D	1 mark 1 mark
Total		40