

Q.	Answer	Mark	Additional Guidance
(c)	large surface area thin walls rich blood supply moist walls	2	award 1 mark for each suggestion
5. (a)	carbon dioxide	1	
(b)	oxygen	1	
(c)	chlorophyll/chloroplasts trap sunlight combining of carbon dioxide and water makes sugar/glucose/sucrose this travels to the ripening tomatoes	3	award 1 mark for any one process
(d)	fewer pests warmer control conditions/named example	2	accept other suitable suggestions e.g. water
6. (a)	amphibian: moist skin lays eggs in water	2	reptile: dry (scaly) skin lays eggs on land accept other suitable answers award 1 mark only if no comparison made between reptile and amphibian
(b)	feathers lays hard-shelled eggs	2	accept other suitable answers
(c)	any suitable answer	1	e.g. whale
(d)	any suitable answer	1	e.g. bat

COMMON ENTRANCE EXAMINATION AT 13+



SCIENCE

BIOLOGY

MARK SCHEME

This is a suggested, not a prescriptive, mark scheme.

Monday 24 January 2011

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7. (a)	brown/orange	9	
(b)	agonistically		
(c)	salmon		
(d)	respire		
(e)	sperm		
(f)	scurvy		
(g)	28 days		
(h)	consumers		
(i)	water		
8. (a)	carbohydrates	5	
	proteins		
	minerals		
	fibre		
	water		
9. (a)	cell wall/acule	1	
(b)	photosynthesis	1	
(c)	they are below ground/do not get any light	1	
(d)	large surface area to absorb water/minerals	2	
4. (a) (i)	lungs	1	
(ii)	gills	1	
(b) (i)	in (all) cells/cytoplasm	1	do not accept 'lungs' deduct 1 mark for each mistake
(ii)	glucose/sugar + oxygen → water + carbon dioxide + energy	3	
			accept any other suitable suggestions
			reduce/starfish population
			Total 60

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			Total 60