

National curriculum assessment 2008

Key stage 2 science

Standardisation commentaries

Paper A

KS2 Science Standardisation Commentaries

Paper A, Question 1- Solids, liquids and gases

S01	1a	Creditworthy	See mark scheme
	1b	Creditworthy	Crosses are acceptable for 'No'
S02	1a	Not Creditworthy	See mark scheme
	1b	Creditworthy	N acceptable for No in this context
S03	1a	Creditworthy	See mark scheme
	1b	Not Creditworthy	See mark scheme – ticks suggest 'Yes'
S04	1a	Creditworthy	See mark scheme
	1b	Not Creditworthy	See mark scheme
S05	1a	Creditworthy	See mark scheme
	1b	Creditworthy	See mark scheme

Paper A, Question 2- Teeth

S01	2a	Creditworthy	See mark scheme
	2b	Creditworthy	See mark scheme – incorrect tick has been crossed out and replaced by correct tick
	2ci	Creditworthy	See guidance in the mark scheme about correct responses which go beyond the KS2 programme of study
	2cii	Creditworthy	See mark scheme
	2di	Creditworthy	Bite would be insufficient on its own
	2dii	Creditworthy	Mash and Mush are acceptable responses to gain credit
S02	2a	Creditworthy	See the additional guidance column for more information
	2b	Creditworthy	See mark scheme
	2ci	Creditworthy	See mark scheme
	2cii	Creditworthy	See mark scheme
	2di	Creditworthy	See mark scheme
	2dii	Creditworthy	See mark scheme
S03	2a	Not Creditworthy	Only two beakers marked.
	2b	-	No attempt made to answer this question
	2ci	Not Creditworthy	This response is given – see additional guidance column.
	2cii	Creditworthy	Gum alone is acceptable
	2di	Not Creditworthy	See mark scheme
	2dii	Not Creditworthy	See mark scheme - insufficient as only a description
S04	2a	Creditworthy	Lines all within tolerance
	2b	Not Creditworthy	There is no positive indication of the correct response.
	2ci	Creditworthy	See mark scheme
	2cii	Creditworthy	See mark scheme
	2di	Creditworthy	See mark scheme
	2dii	Creditworthy	See mark scheme

S05	2a	Not Creditworthy	The lines for beakers B,C and D are incorrect.
	2b	Creditworthy	See mark scheme
	2ci	Creditworthy	See mark scheme
	2cii	Creditworthy	See mark scheme
	2di	Not Creditworthy	Chop is incorrect science as it describes the function of teeth other than canines.
	2dii	Not Creditworthy	Chop is incorrect science as it describes the function of teeth other than molars.

Paper A, Question 3- String Instruments

S01	3a	Not creditworthy	This response is insufficient – no indication of material through which it passes
	3b	Creditworthy	See mark scheme
	3c	Not creditworthy	This response is insufficient.
	3d	Creditworthy	See mark scheme

S02	3a	Creditworthy	The allowable answers column of the mark scheme gives guidance on the fact that credit can be given for naming a material that the sound travels through.
	3b	Not creditworthy.	This response seems to confuse pitch and volume.
	3c	Creditworthy	This spelling is acceptable.
	3d	Not creditworthy	See mark scheme only one box should be ticked

S03	3a	Creditworthy	See mark scheme
	3b	Not creditworthy	See the additional guidance column of the mark scheme.
	3c	Creditworthy	See mark scheme – rapid speed of movement has been indicated
	3d	Creditworthy	See mark scheme

S04	3a	Creditworthy	See mark scheme
	3b	Creditworthy	See mark scheme
	3c	Not creditworthy	See mark scheme – no indication of vibration
	3d	Creditworthy	See mark scheme

S05	3a	Creditworthy	Wind would be insufficient on its own
	3b	Creditworthy	See mark scheme
	3c	Not creditworthy	See mark scheme
	3d	Not creditworthy	See mark scheme

Paper A, Question 4- Fish Tank

S01	4a	Credit worthy	See mark scheme
	4b	Credit worthy	See mark scheme – correct animals given
	4c	Credit worthy	See mark scheme – indication of a force of attraction
	4d	Credit worthy	See mark scheme

S02	4a	Credit worthy	See mark scheme
	4b	Not credit worthy	Green is insufficient – needs 'plant'
	4c	Not credit worthy	Implies each magnet is a different pole
	4d	Credit worthy	See mark scheme

S03	4a	Not credit worthy	Not a positive indication
	4b	Not credit worthy	Imported organisms are not allowed
	4c	Credit worthy	See mark scheme
	4d	Not credit worthy	See mark scheme – ‘Yes’ box has been ticked

S04	4a	Credit worthy	See mark scheme – positive unambiguous indication
	4b	Credit worthy	See mark scheme
	4c	Not credit worthy	See mark scheme
	4d	Credit worthy	See mark scheme – although reading given is incorrect (and above 25° C) the mark can still be given in this case

S05	4a	Credit worthy	See mark scheme – positive unambiguous indication
	4b	Credit worthy	See mark scheme
	4c	Not credit worthy	See mark scheme – could imply each magnet is a different pole
	4d	Not credit worthy	See mark scheme – neither box ticked so insufficient as it does not make clear that the fish will not be healthy at this temperature

Paper A, Question 5- Sieves

S01	5a	Credit worthy	See mark scheme
	5b	Credit worthy	See mark scheme
	5ci	Credit worthy	See mark scheme
	5cii	Credit worthy	See mark scheme
	5d	Credit worthy	See mark scheme

S02	5a	Not credit worthy	Incorrect matching of the mixtures to the sieves
	5b	Credit worthy	See mark scheme
	5ci	Not credit worthy	‘Disappears’ is insufficient
	5cii	Not credit worthy	Needs to indicate that it must be left for some time
	5d	Credit worthy	See mark scheme

S03	5a	Credit worthy	See mark scheme
	5b	Not credit worthy	Already given in the stem of the question
	5ci	Credit worthy	See mark scheme
	5cii	Not credit worthy	See mark scheme- insufficient needs more clarification
	5d	Not credit worthy	See mark scheme

S04	5a	Not credit worthy	Incorrect matching of the mixtures to the sieves
	5b	Credit worthy	See mark scheme
	5ci	Credit worthy	See mark scheme
	5cii	Credit worthy	See mark scheme
	5d	Not credit worthy	See mark scheme – needs to say evaporate ‘the water’

S05	5a	Credit worthy	See mark scheme – incorrect line has been crossed out and replaced by correct line
	5b	Credit worthy	See mark scheme
	5ci	Credit worthy	See mark scheme
	5cii	Not credit worthy	See mark scheme – incorrect science implying that the salt will evaporate

	5d	Not credit worthy	See mark scheme – insufficient by itself
--	----	-------------------	--

Paper A, Question 6- Bananas

S01	6ai	Credit worthy	Ticks and crosses are used unambiguously
	6aii	Credit worthy	Ticks and crosses are used unambiguously
	6b	Not credit worthy	See mark scheme
	6c	Not credit worthy	See mark scheme – the ‘No’ box has been ticked
	6d	Credit worthy	See mark scheme
	6e	Not credit worthy	See mark scheme – appropriate evidence has not been chosen

S02	6ai	Credit worthy	First and third answers only are correct so 1 mark awarded
	6aii	Not credit worthy	First and third answers only are correct so 1 mark awarded
	6b	Credit worthy	See mark scheme
	6c	Credit worthy	See mark scheme
	6d	Credit worthy	See mark scheme
	6e	Not credit worthy	See mark scheme

S03	6ai	-	No attempt made to answer this question
	6aii	-	No attempt made to answer this question
	6b	Credit worthy	See mark scheme
	6c	Not credit worthy	Restatement of the stem of the question – does not refer to the results
	6d	-	No attempt made to answer this question
	6e	Credit worthy	See mark scheme

S04	6ai	Credit worthy	See mark scheme
	6aii	Credit worthy	See mark scheme
	6b	Not credit worthy	See mark scheme – two boxes ticked
	6c	Not credit worthy	See mark scheme – no indication of which bana is being referred to
	6d	Not credit worthy	See mark scheme - insufficient
	6e	Credit worthy	See mark scheme

S05	6ai	Credit worthy	See mark scheme
	6aii	Credit worthy	See mark scheme
	6b	Not credit worthy	See mark scheme – not a positive unambiguous indication
	6c	Credit worthy	See mark scheme - sufficient indication even though neither box is ticked
	6d	Credit worthy	See mark scheme
	6e	Not credit worthy	See mark scheme - insufficient

Paper A, Question 7- Floating on salty water

S01	7ai	Creditworthy	See mark scheme
	7aii	Creditworthy	See mark scheme – no indication of direction given
	7b	Creditworthy	See mark scheme
	7c	Not Creditworthy	See mark scheme
	7d	Not Creditworthy	See mark scheme

S02	7ai	Creditworthy	See mark scheme
-----	-----	--------------	-----------------

	7aii	Creditworthy	Acceptable alternative spelling of upthrust
	7b	Not Creditworthy	See mark scheme
	7c	Not Creditworthy	See mark scheme – only one box should be ticked
	7d	Creditworthy	Acceptable as the sentence ‘reads’ correctly

S03	7ai	Not Creditworthy	Push is incorrect science and so negates.
	7aii	Not Creditworthy	See the additional guidance column.
	7b	Creditworthy	See mark scheme
	7c	Creditworthy	See mark scheme
	7d	Not Creditworthy	See mark scheme

S04	7ai	Not Creditworthy	See mark scheme – upthrust is incorrect science
	7aii	Not Creditworthy	See mark scheme – gravity is incorrect science
	7b	Creditworthy	See mark scheme
	7c	-	No attempt made to answer this question
	7d	Not Creditworthy	See mark scheme

S05	7ai	Creditworthy	See mark scheme
	7aii	Not Creditworthy	Pull is incorrect science and so negates.
	7b	Creditworthy	See mark scheme
	7c	Creditworthy	See mark scheme
	7d	Not Creditworthy	See mark scheme

Paper A, Question 8- Sleeping Babies

S01	8a	Credit worthy	See mark scheme
	8bi	Credit worthy	See mark scheme – first and third answers are correct so 1 mark awarded out of two
	8bii	Not credit worthy	See mark scheme – first and third answers are correct so 1 mark awarded out of 2
	8c	Credit worthy	See mark scheme
	8d	Credit worthy	See mark scheme

S02	8a	Credit worthy	See mark scheme
	8bi	Credit worthy	See mark scheme
	8bii	Credit worthy	See mark scheme
	8c	Not credit worthy	See mark scheme – equivalent to keep them in the dark which is incorrect
	8d	Not credit worthy	See mark scheme - insufficient

S03	8a	Not credit worthy	See mark scheme - insufficient
	8bi	Credit worthy	See mark scheme – first and third answers are correct so 1 mark awarded out of two
	8bii	Not credit worthy	See mark scheme – first and third answers are correct so 1 mark awarded out of two
	8c	Credit worthy	See mark scheme
	8d	Credit worthy	See mark scheme

S04	8a	Credit worthy	See mark scheme
	8bi	Credit worthy	See mark scheme - middle answer not given so 1 mark awarded out of 2

	8bii	Not credit worthy	See mark scheme - middle answer not given so 1 mark awarded out of 2
	8c	Credit worthy	See mark scheme – equivalent to ‘put clothes on them’
	8d	Not credit worthy	See mark scheme

S05	8a	Credit worthy	See mark scheme
	8bi	Credit worthy	See mark scheme
	8bii	Credit worthy	See mark scheme
	8c	Credit worthy	See mark scheme
	8d	Credit worthy	See mark scheme

Paper A, Question 9- Candle

S01	9a	Credit worthy	See mark scheme
	9b	Credit worthy	See mark scheme
	9c	Not credit worthy	Graph going the wrong way

S02	9a	Not credit worthy	See mark scheme
	9b	Credit worthy	‘Not true’ is same as false
	9c	Not credit worthy	Graph does not go down

S03	9a	Not credit worthy	See mark scheme
	9b	Credit worthy	See mark scheme
	9c	Credit worthy	See mark scheme

S04	9a	Credit worthy	Answer equates to ‘yes’ and ‘no’ – unambiguous indication of correct answer
	9b	Credit worthy	‘Yes’ and ‘No’ acceptable instead of ‘true’ and ‘false’
	9c	-	Dash given as no answer attempted

S05	9a	Credit worthy	See mark scheme
	9b	Credit worthy	See mark scheme
	9c	Not credit worthy	Graph going wrong way