

Name:

Date:

## Science Assessment Year 5: Animals Including Humans



### Human Timeline

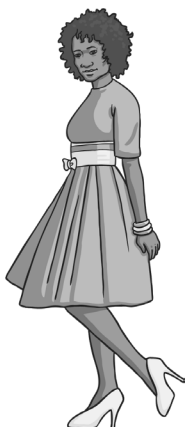
1. Label each stage of the human timeline:



.....

.....

.....



.....

.....

.....

3 marks

2. What is the stage **before** the first stage shown here?

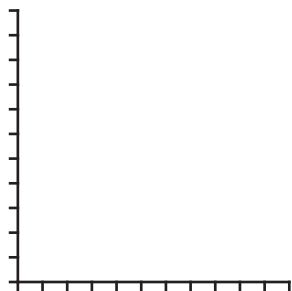
.....

1 mark

Total for  
this page

## Growth Charts

This is a blank graph ready to show some data for a child's height and age as they grow:



3. What label should go:

a) On the X Axis?

.....

b) On the Y Axis?

.....

4. To show this growth of a child with height and age, what type of graph or chart should be used and why?

**Type of chart or graph:**

.....

**Reason for choice:**

.....

.....

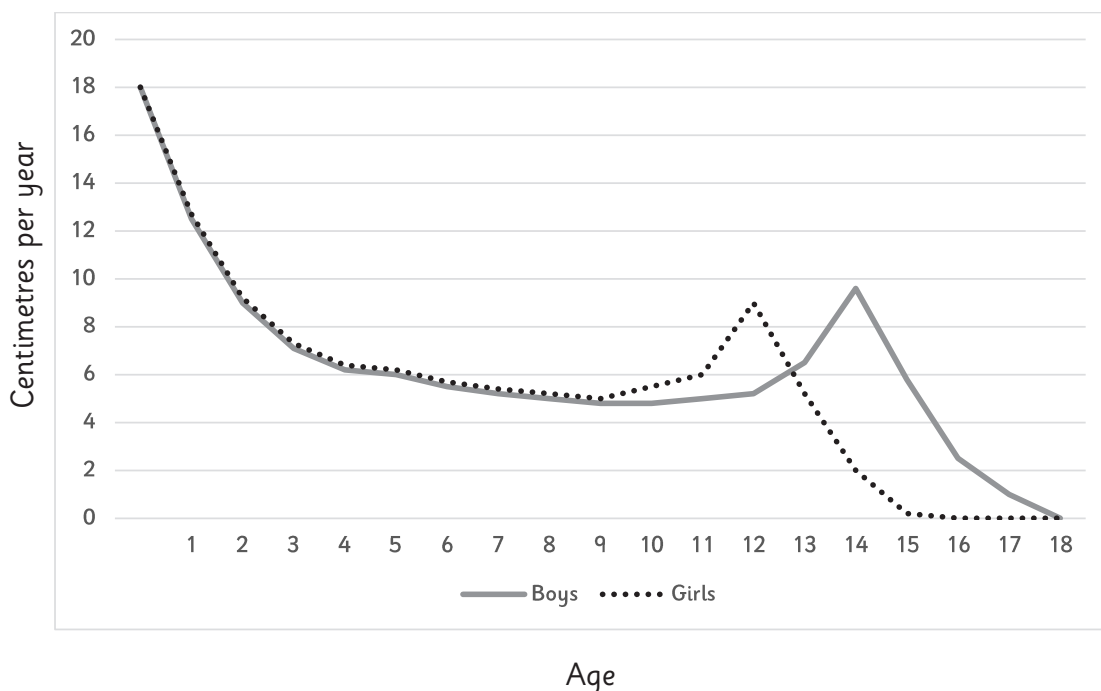
1 mark

1 mark

2 marks

Total for  
this page

This graph shows a comparison of girls and boys and how many centimetres they grow on average each year. Look carefully at the graph and answer these questions:



5. Who starts growing quicker at an earlier age

.....

1 mark

6. Why do both lines eventually go down to 0?

.....

1 mark

7. At what age are boys growing the quickest?

.....

1 mark

8. How many centimetres per year are girls growing at age 12?

.....

1 mark

## Puberty

9. Why does your body need to make changes during puberty?

.....

1 mark

10. Two parts of the brain make more hormones to make puberty happen, name **one** of these parts?

.....

1 mark

Total for this page

11. Write what happens to each of these body parts during puberty

Body Part	How it changes during puberty
Voice	
Sweat glands	
Skin	
Body hair	
Girls chest	
Boys chest	

6 marks

12. Write **true** or **false** next to each of these statements about puberty:

Statement	True or False
Everyone finishes puberty by the age of 15.	
Boys and girls both grow more hair during puberty.	
Sweat smells.	
Everyone grows and changes the same during puberty.	
Boys become more muscular.	
Girls' breasts and boys penises can be all sorts of sizes.	
Animals also go through puberty.	

3 marks

## Changes in Old Age

13. Circle all the statements below that are **true** for people in old age:

They always have  
memory loss.

They still need to  
exercise.

They can still learn  
new things.

They are in their final  
stage of human  
development.

They will eventually  
lose all their teeth.

They all need help to  
walk.

2 marks

Total for  
this page

# Answer Sheet: Science Assessment Year 5:

## Animals Including Humans



question	answer	marks	notes
<b>1. Label each stage of the human timeline.</b>			
	<ul style="list-style-type: none"> <li>• Infancy</li> <li>• Childhood</li> <li>• Adolescence</li> <li>• Early Adulthood</li> <li>• Middle Adulthood</li> <li>• Late Adulthood/Old Age</li> </ul>	3	0 marks for 0-1 correct 1 mark for 2-3 correct 2 marks for 4-5 correct 3 marks for all 6 correct  Accept errors in spelling where the intention is clear.
<b>2. What is the stage before the first stage shown here?</b>			
	Prenatal	1	
<b>3. What label should go:</b>			
a	Age	1	
b	Height	1	
<b>4. To show this growth of a child with height and age, what type of graph or chart should be used and why?</b>			
	<ul style="list-style-type: none"> <li>• Line (graph)</li> <li>• It's continuous data</li> <li>• You need to see values in between each age</li> </ul>	2	1 mark for the correct type of chart.  1 mark for one of the appropriate reasons.
<b>5. Who starts growing quicker at an earlier age?</b>			
	Girls	1	

question	answer	marks	notes														
6. Why do both lines eventually go down to 0?																	
	<ul style="list-style-type: none"><li>• you stop growing (eventually)</li><li>• you stop growing when you are an adult</li><li>• after puberty finishes you stop growing</li></ul>	1															
7. At what age are boys growing the quickest?																	
	<ul style="list-style-type: none"><li>• between 0 and 1 (years)</li><li>• before the age of 1</li></ul>	1															
8. How many centimetres per year are girls growing at age 12?																	
	8cm – 9 cm	1	'cm' do not need to be present for mark to be given, but do reiterate their importance in class.														
9. Why does your body need to make changes during puberty?																	
	<ul style="list-style-type: none"><li>• To be able to reproduce</li><li>• To become an adult</li><li>• To become and adult and reproduce</li></ul>	1															
10. Two parts of the brain make more hormones to make puberty happen, name <b>one</b> of these parts?																	
	<ul style="list-style-type: none"><li>• Pituitary (gland)</li><li>• Hypothalamus</li></ul>	1	Accept errors in spelling where the intention is clear.														
11. Write what happens to each of these body parts during puberty.																	
	<table><tr><td>Body Part</td><td>How it changes during puberty</td></tr><tr><td>Voice</td><td><b>Voice gets lower</b></td></tr><tr><td>Sweat glands</td><td><b>Produce more sweat</b></td></tr><tr><td>Skin</td><td><b>Becomes oilier (and can have spots)</b></td></tr><tr><td>Body hair</td><td><b>Grows more (armpits, genital area, legs, arms, face for boys)</b></td></tr><tr><td>Girls chest</td><td><b>Grows breasts</b></td></tr><tr><td>Boys chest</td><td><b>Grows hair and becomes more muscly</b></td></tr></table>	Body Part	How it changes during puberty	Voice	<b>Voice gets lower</b>	Sweat glands	<b>Produce more sweat</b>	Skin	<b>Becomes oilier (and can have spots)</b>	Body hair	<b>Grows more (armpits, genital area, legs, arms, face for boys)</b>	Girls chest	<b>Grows breasts</b>	Boys chest	<b>Grows hair and becomes more muscly</b>	6	1 mark for each correct answer. .
Body Part	How it changes during puberty																
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question	answer	marks	notes																
12. Join up these words to the correct explanation.																			
	<table><tr><td>Statement</td><td>True or False</td></tr><tr><td>Everyone finishes puberty by the age of 15.</td><td>false</td></tr><tr><td>Boys and girls both grow more hair during puberty.</td><td>true</td></tr><tr><td>Sweat smells.</td><td>false</td></tr><tr><td>Everyone grows and changes the same during puberty.</td><td>false</td></tr><tr><td>Boys become more muscular.</td><td>true</td></tr><tr><td>Girls' breasts and boys penises can be all sorts of sizes.</td><td>true</td></tr><tr><td>Animals also go through puberty.</td><td>true</td></tr></table>	Statement	True or False	Everyone finishes puberty by the age of 15.	false	Boys and girls both grow more hair during puberty.	true	Sweat smells.	false	Everyone grows and changes the same during puberty.	false	Boys become more muscular.	true	Girls' breasts and boys penises can be all sorts of sizes.	true	Animals also go through puberty.	true	3	<p>0 marks for 0-1 correct 1 mark for 2-3 correct 2 marks for 4-6 correct 3 marks for all 7 correct</p> <p>Accept T and F for true and false.</p> <p>Also accept tick for True and X for False.</p>
Statement	True or False																		
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13. Circle all the statements below that are <b>true</b> for people in old age.																			
	<div><div>They always have memory loss.</div><div>They still need to exercise.</div><div>They can still learn new things.</div><div>They are in their final stage of human development.</div><div>They will eventually lose all their teeth.</div><div>They all need help to walk.</div></div>	2	<p>0 marks for 0-2 correct 1 mark for 3-5 correct 2 marks for all 6 correctly marked right and wrong</p> <p>Accept ticks or other positive markings.</p> <p>Accept nothing or crosses for the wrong boxes.</p>																
		total 25																	