

Name:

Date:

23
total marks

Science Assessment Year 3: Animals Including Humans



Nutrition

1. Name one reason why animals and humans need food.

1 mark

.....

2. There are 5 main food groups:

a) Name two of them.

.....

b) Which food group does meat belong to?

.....








c) Which food group does bread belong to?

.....

2 marks

Total for this page

3. Join the nutrient to the job it does.

Nutrients	
Vitamins	
Water	
Protein	
Minerals	
Fibre	
Carbohydrates	
Fats	

Nutrients
gives us energy
helps us digest food
repairs our bodies
moves nutrients around and clears waste
keeps us healthy

4. About how much water does a child need per day (from drinking and food)?

Circle the correct answer.

10 litres

1.5 litres

0.5 litres

5 litres

5. There are two types of fat, 'saturated' and 'unsaturated'.

a) Which one is bad for you if you have too much?

.....

3 marks

1 mark

1 mark

Total for this page

b) Name a health problem that can be caused by the bad fat.

1 mark

Skeletons

6. Join the animals to the correct type of skeleton.

Animal	Skeleton
Worm	Vertebrate
Human	
Butterfly	Invertebrate
Jellyfish	
Cow	
Cat	

2 marks

7. Some animals have hydrostatic skeletons, give one advantage and one disadvantage of this type of skeleton:

Advantage of having a hydrostatic skeleton	Disadvantage of having a hydrostatic skeleton

1 mark

Total for this page

8. Give the scientific names for these bones in the human skeleton:

a) Thigh bone

.....

b) Collarbone

.....

c) Upper arm bone

.....

2 marks

9. Your skeleton has a number of functions, name one of them.

.....

1 mark

10. Your muscles can do voluntary and involuntary movements, write voluntary or involuntary for the following movements:

a) The heart pumping

.....

b) Kicking a ball

.....

c) The muscles in your digestive system

.....

2 marks

11. Muscles work in pairs, name the other one of the pair for:

a) The biceps

.....

1 mark

b) The hamstrings

.....

1 mark

Total for this page

12. There are different types of joints in the body. What sort of joint is the elbow joint?

.....

1 mark

13. Humans have their skeleton on the INSIDE of their bodies, what is the name for this type of skeleton?

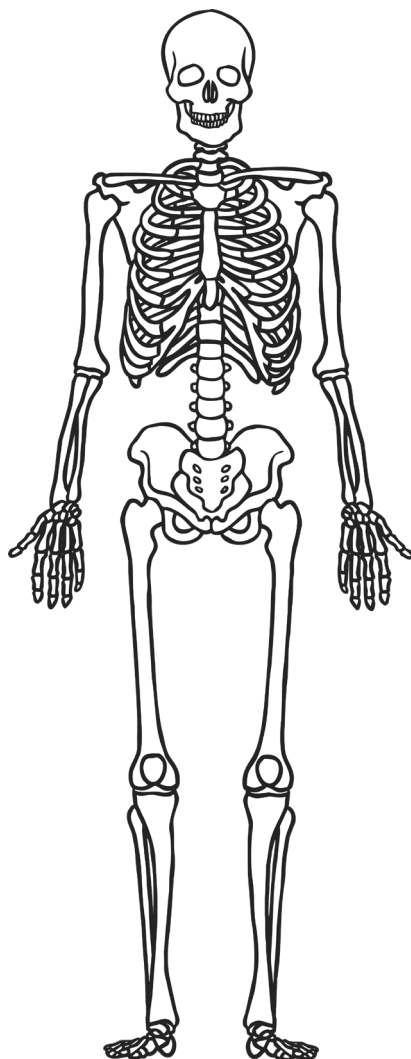
.....

1 mark

14. Look at the diagram of a human skeleton and label these bones:

- a) Rib cage
- b) Pelvis
- c) Cranium

2 marks
























Total for this page

Answer Sheet: Science Assessment Year 3:

Animals Including Humans



question	answer	marks	notes																													
1. Name one reason why animals and humans need food.																																
	<ul style="list-style-type: none"> • (To) grow • (To be) strong • (To be) healthy 	1	1 mark for a correct answer.																													
2. There are 5 main food groups:																																
a	1 mark for any from: <ul style="list-style-type: none"> • Fruit and vegetables • Carbohydrates • Protein • Fats • Dairy 	2	Maximum of 2 marks: 0 for 1 correct 1 for 2 correct 2 for 3 correct																													
b	Protein																															
c	Carbohydrates/carbs																															
3. Join the nutrient to the job it does.																																
	<table border="1"> <thead> <tr> <th colspan="2">Nutrients</th> </tr> </thead> <tbody> <tr> <td>Vitamins</td> <td></td> </tr> <tr> <td>Water</td> <td></td> </tr> <tr> <td>Protein</td> <td></td> </tr> <tr> <td>Minerals</td> <td></td> </tr> <tr> <td>Fibre</td> <td></td> </tr> <tr> <td>Carbohydrates</td> <td></td> </tr> <tr> <td>Fats</td> <td></td> </tr> </tbody> </table>	Nutrients		Vitamins		Water		Protein		Minerals		Fibre		Carbohydrates		Fats		<table border="1"> <thead> <tr> <th colspan="2">Nutrients</th> </tr> </thead> <tbody> <tr> <td>gives us energy</td> <td></td> </tr> <tr> <td>helps us digest food</td> <td></td> </tr> <tr> <td>repairs our bodies</td> <td></td> </tr> <tr> <td>moves nutrients around and clears waste</td> <td></td> </tr> <tr> <td>keeps us healthy</td> <td></td> </tr> </tbody> </table>	Nutrients		gives us energy		helps us digest food		repairs our bodies		moves nutrients around and clears waste		keeps us healthy		3	Maximum of 3 marks: 0 for 1 correct 1 for 2, 3 or 4 correct 2 for 5 or 6 correct 3 for all 7 correct
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4. About how much water does a child need per day (from drinking and food)?													
	10 litres 1.5 litres 0.5 litres 5 litres	1	Accept other obvious markings such as a tick. Do not accept more than one circled/ticked.										
5. There are two types of fat, 'saturated' and 'unsaturated'.													
a	Saturated (fat)	1	1 mark for the correct answer. Accept spelling errors where the intention of the word is obvious.										
b	Heart problems Obesity Narrowing of arteries Stroke	1	1 mark for a correct answer. Do not accept high cholesterol as this causes other problems and is not itself the problem.										
6. Join the animals to the correct type of skeleton.													
	<table border="1"> <thead> <tr> <th>Animal</th> <th>Skeleton</th> </tr> </thead> <tbody> <tr> <td>Worm</td> <td rowspan="2">Vertebrate</td> </tr> <tr> <td>Human</td> </tr> <tr> <td>Butterfly</td> <td rowspan="4">Invertebrate</td> </tr> <tr> <td>Jellyfish</td> </tr> <tr> <td>Cow</td> </tr> <tr> <td>Cat</td> </tr> </tbody> </table>	Animal	Skeleton	Worm	Vertebrate	Human	Butterfly	Invertebrate	Jellyfish	Cow	Cat	2	Maximum of 2 marks: 0 for 1 or 2 correct 1 for 3 or 4 correct 2 for 5 or 6 correct
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7. Some animals have hydrostatic skeletons, give one advantage and one disadvantage of this type of skeleton.													
	<p>Advantages:</p> <ul style="list-style-type: none"> • Flexible • Changes shape (reduced friction and drag) • Squeeze and expand • Faster healing • Lightweight • Protective cushions <p>Disadvantage:</p> <ul style="list-style-type: none"> • Cannot lift things • Muscles and limbs are not attached • Need to be in water 	1	1 mark for both a correct advantage and a correct disadvantage.										

question	answer	marks	notes
8. Give the scientific names for these bones in the human skeleton:			
a	Femur	2	Maximum 2 marks: 0 for 1 correct 1 for 2 correct 2 for 3 correct
b	Clavicle		
c	Humerus		
9. Your skeleton has a number of functions, name one of them.			
	<ul style="list-style-type: none"> • Support (the body) • Shape (the body) • Move (the body) • Protect 	1	1 mark for a correct answer.
10. Your muscles can do voluntary and involuntary movements, write voluntary or involuntary for the following movements:			
a	Involuntary	2	Maximum 2 marks: 0 for 1 correct 1 for 2 correct 2 for 3 correct Accept spelling errors where the intention is clear.
b	Voluntary		
c	Involuntary		
11. Muscles work in pairs, name the other one of the pair for:			
a	Tricep(s)	1	Accept spelling errors where the intention is clear.
b	Quadriceps/Quads	1	
12. There are different types of joints in the body. What sort of joint is the elbow joint?			
	Hinge (joint)	1	1 mark for the correct answer.
13. Humans have their skeleton on the inside of their bodies, what is the name for this type of skeleton?			
	Endoskeleton	1	1 mark for the correct answer. Accept spelling errors where the intention is clear.
14. Look at the diagram of a skeleton and label these bones:			
	<p>Diagram of a human skeleton. Labels with lines pointing to the cranium, rib cage, and pelvis.</p>	2	Maximum 2 marks: 0 for 1 correct 1 for 2 correct 2 for 3 correct Label lines need to be touching the area of rib cage, pelvis and cranium.
		total	
		23	