lame:	Date:

25
total marks

Science Assessment Year 5: Living Things and Their Habitats

twinkl

Reproduction

1.	There are two typ	es of	reproduction.	Fill ir	ı this	table	to	complete	what	you	know
	about them:										

	Sexual Reproduction	Asexual Reproduction					
How many parents?							
What do the offspring look like?							
An advantage							
A disadvantage			3 marks				
Plant Reproduction							
2. Complete the blanks in this	rd in						
found in		3.33	2 marks				
3. Name a way that an asexu	al plant reproduces.						

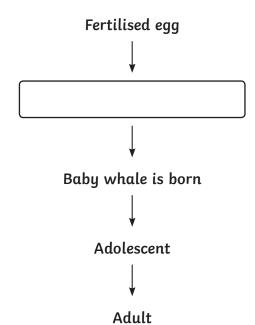
1 mark

Mammals

4. Name a characteristic of mammals.

1 mar

5. Fill in the blank space for the lifecycle of a whale:



1 mark

6. There are three types of mammals. Fill in the table below with more detail:

	Marsupials	Monotremes	Placentals
a. What type of mammal is a kangaroo?			

- What is a baby kangaroo called?
- $\boldsymbol{c}.$ What makes this type of mammal different from other types of mammal?

) wa a sha

Total for

Ar	nphibians and Insects	
	An animal with a backbone is called a whilst an animal without a backbone is called an	
		1 mark
8.	What is metamorphosis?	
		1 mark
0	II. da waahihi waxaa aa kaa aa 2	
ч.	How do amphibians metamorphose?	
		1 mark
10	.Explain how insects metamorphose.	
		1 mark
Bi	rds	
11	.What grows inside a fertilised bird's egg?	
		1 mark
12	.What happens if an egg is not fertilised?	1 mark
		Total for this page

13.Number these stages in the order they come in the life cycle of $\boldsymbol{\alpha}$ bird.

Number	
	Egg hatches and adults provide food
	A fertilised egg is laid by the female
	The chick grows and develops
	The young bird leaves the nest
	The adults mate and reproduce

Similarities and Differences

14. Fill in this table of similarities and differences with **one** example for each box.

	Similarity	Difference
Bird and Amphibian		
Mammal and Insect		
Bird and Mammal		
Amphibian and Insect		
Mammal and Amphibian		
Bird and Insect		

2 marks
6 marks
Total for this page
uno puge

Answer Sheet: Science Assessment Year 5:

Living Things and Their Habitats



question		answer		marks	notes	
1. There are two types of reproduction. Fill in this table to complete what you know about them.						
		Sexual Reproduction	Asexual Reproduction			
	How many parents?	2	1			
	What do the offspring look like?	A mix of the two parents	A clone/exact copy of the parent			
	An advantage	Any from: The species can change over time Diseases do not affect all example as they are all a bit different	Any from: Only one parent is needed Population can increase quickly Good features are always passed on	3	0 marks for 0-2 correct 1 mark for 3-5 correct 2 marks for 6-7 correct 3 marks for 8 correct	
	A disadvantage	Any from: Reproduction not possible with one isolated plant/animal Time and energy needed to wait for reproduction	Any from: No variation or difference so cannot adapt as well to changes in climate, habitat or diseases			
2. Complete	the blanks in	this sentence abo	out plant reproduct	ion.		
	•	its cells are found re found in polle n		2	0 marks for 0 correct 1 mark for 1 correct 2 marks for 2 correct	
					Do not accept 'eggs' instead of 'ovules' as this question refers to plants only.	
3. Name a w	ay that an as	exual plant reprod	uces.			
 Bulbs Tubers Side shoots Runners Plantlets Branches with plantlets/baby plants 				1		
4. Name a characteristic of mammals.						
	 Feed babies their milk Have hair Warm blooded (give birth to live babies) 			1	Accept live babies as most mammals do this. Make sure that children know in feedback that special mammals called 'monotremes' do lay eggs. There is currently debate about the taxonomy of Monotremes.	



question	answer	marks	notes			
5. Fill in the blank space of this lifecycle of a whale.						
	EmbryoFoetus	1	Accept errors in spelling where the intention is clear.			
6. There are	e three types of mammals. Fill in the table below w	ith more d	etail:			
	Marsupials Monotremes Placentals					
	a) What type of mammal is a kangaroo? A kangaroo is a Marsupial.	3	1 mark for each correct answer.			
	b) A Joey c) they have a pouch (where the baby is kept after birth).					
7. Complete	the blanks on Amphibians and Insects.					
	An animal with a backbone is called a <u>vertebrate</u> whilst an animal without a backbone is called an <u>invertebrate</u> .	1	1 mark for both correct answers with recognisable spelling.			
8. What is n	netamorphosis?					
	Animals that change to a different thing in their life cycle	1	Accept more complicated explanations with KS3 definitions.			
9. How do a	mphibians metamorphose?					
	They start life in the water and change into an adult that lives on land (and in water)	1				
10. Explain	10. Explain how insects metamorphose.					
	From Larva/e to insect/s	1	Include more complicated explanations that give examples but include these basic facts. Accept 'grub' or other word describing the larva stage, but make sure the word larva is reiterated in feedback as the scientific/correct word.			



question		answer	marks	notes				
11. What gr	11. What grows inside a fertilised bird's egg?							
	embryo		1	Do not accept 'baby chick' or similar as children need to use the correct scientific word in this case.				
12. What ha	appens if an	egg is not fertilised?						
	There i	ck can develop s no embryo chick cannot be made eat it	1					
13. Number	these stage	s in order they come in the life cycle	of a bird.					
	Number							
	3	Egg hatches and adults provide food						
	2	A fertilised egg is laid by the female	2	0 marks for 0-1 correct 1 mark for 2-4				
	4	The chick grows and develops		2 marks for 5 correct				
	5	The young bird leaves the nest						
	1	The adults mate and reproduce						



question		answer		marks	notes
14. Fill in this table of similarities and differences with one example for each box.					
		Similarity	Difference		
	Bird and Amphib- ian	Any from: Most adults can live on land (eg. Not whales) Lay eggs Vertebrates Omnivorous (Most have sexual reproduction) Any example from Mrs Gren Both in Animal Kingdom in taxonomy Both Eukaroyta Domain in taxonomy	Any from: Amphibians start life in water Adults amphibians live on land and in water Bird lay hard-shelled eggs, amphibians have soft-shelled eggs. Warm/ cold-Kingdom in blooded taxonomy A few amphibians are asexual	6	O marks for 0-1 boxes correct 1 mark for 2 boxes correct 2 marks for 4 boxes correct 3 marks for 6 boxes correct 4 marks for 8 boxes correct 5 marks for 10 boxes correct 6 marks for 12 boxes correct There are many differences, so also include any others you know are correct.
	Mammal and Insect	Any from: • (Most have sexual reproduction from two parents) • Any example from Mrs Gren Both in Animal Kingdom in taxonomy • Both Eukaroyta Domain in taxonomy	Any from: • Mammals are vertebrates, Insect are invertebrates • Mammals are warm- blooded, insects are cold-blooded.		
	Bird and Mammal	Warm blooded vertebrates taxonomy both are animals both can be pets both reproduce both can be eaten default	Live young/lay eggs Baby grows inside the mother/grows inside the egg. Feathers v. fur/hair Hollow bones/not hollow bones Teeth/no teeth Flying can only be a difference of bats are noted as being an exception.		
	Amphib- ian and Insect	Metamorphosis both reproduce both can be eaten cold-blooded (most insects are) lay eggs	 insects don't have lungs gills on amphibians vertebrate/invertebrate most insects have 6 legs 		
	Mammal and Amphib- ian	taxonomy both are animals both can be pets both reproduce both can be eaten	Fur/hair v. no fur/hair amphibians cold- blooded gills on amphibians		
	Bird and Insect	 Lay eggs both can be eaten both can(some) have wings/fly light bodies 	insects don't have lungs vertebrate/invertebrate most insects are cold- blooded		
				total 25	