Name:				Date:	
Science Ass	sessment '	<b>Year 6:</b> Livin	ng Things ar	nd Their Habitat	total marks
Classifying					
<b>1.</b> What is t into groups	_	ven to scientis	sts who sort	and classify living	things
					1 mark
2. Give two d	ifferent ways	s that these anii	mals could be s	orted into two group	os:
SSSF-	starling	jackdaw	painted lady butterfly	cabbage white butterfly	
	hedgehog y of Wildlife Boy1, Maxwell Har	toad	<b>frog</b> , rodtuk, troutcolor, tsbl2000(@flickr.c	dragonfly	
		Group A		Group B	
Option :	1				
Option 2	2				2 marks
2 \\\	`mul   !:-:	anamka mada l	2		
s. what ala C	ari Linnaeus	s create and wh	.y.r		2 marks
					total for
					this page

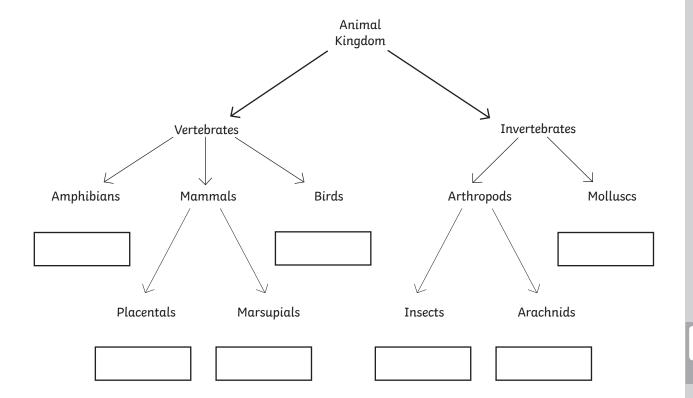


**4.** We sort living things into different groups at different levels. What is the name of the original level of groupings that included 'animal' and 'plant'?

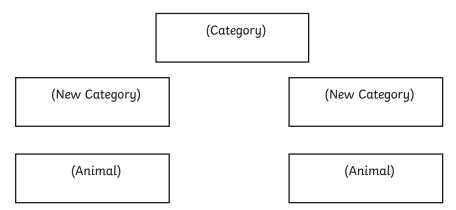
1 mark

**5.** a) Use the key below to sort the following animals. Write the name of each animal and the correct end box.

Kangaroo	Spider	Human	Ant	Fox	Snail	Seagull	Frog
Rangaroo	Ι Ορίας:	Hantan	7111	100	Jitati	Jeagan	1109



b) After completing the previous question, you should have one box with two answers. Using the key below, create another category which can be used to separate them. Start by writing in the category they are both in:





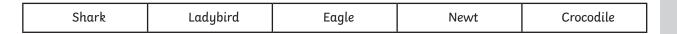
1 mark

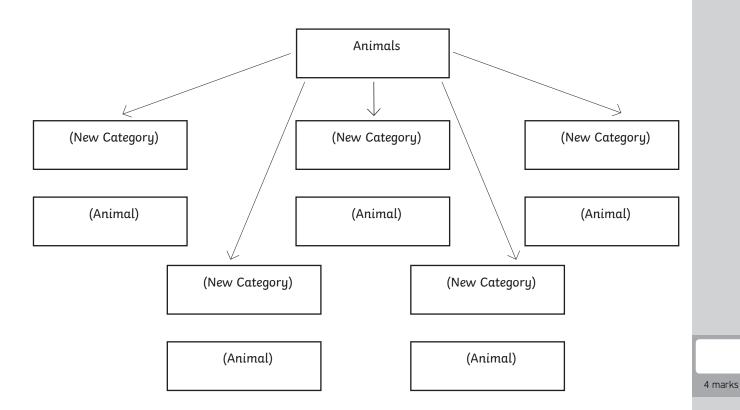
7 marks

total for this page



**6.** a) Here are some animals to classify into groups. Write the different groups that each animal could be sorted into.





b) What makes the ladybird different to all the other animals in this key?	
	1 mark

total for this page



ience Assessment Year 6: Living Things and Their Habitats				4
<b>7.</b> What <b>class</b> of animo	al is a fox?			
licroorganisms				• 1 mark
<b>8.</b> Name the three type	es of microorganis	sms.		
				1 mark
<b>9.</b> Which type of mic whether it should b			e scientists disagreeing	3
				. 1
				1 mark
<b>0.</b> Fill in the table belo one has been done f	•	oles of helpful and h	armful microorganisms	<b>,</b>
Type of microorganism	Name	Harmful or Helpful?	How is it harmful or helpful?	
Fungus	Yeast	Helpful	Makes bread rise.	
		Harmful		
		Helpful		2 mark
<b>1.</b> Name a way that fo	od is preserved to	stop it going moul	du auicklu.	
,				1 mark
<b>2.</b> Name one of the cor	nditions that help	mould grow well.		
				1 mark
	* *FND (	OF TEST**		)
	· · · LIND V	o. 1201		total for



## **Answer Sheet: Science Assessment Year 6:**

Living Things and Their Habitats

question	answer	marks	notes		
1. What is the name given to scientists who sort and classify living things into groups?					
	1 mark for:  • Taxonomist/s	1	Accept errors in spelling where the intention is clear.		
2. Give two	o different ways that these animals could be sorte	ed into tw	o groups:		
	1 mark each for any <b>two</b> from the following areas:  • Wings/no wings  • Classes based on number of legs  • Insects/not insects  • Come from eggs/not  • Classes based on taxonomy categories	2	Accept errors in spelling where the intention is clear.		
3. What did	Carl Linnaeus create and why?				
	<ol> <li>1 mark for any from:         System:         <ul> <li>Linnaean system</li> <li>A system to classify items/things</li> <li>The basis of the taxonomy tree</li> <li>Wrote the Systema Naturae</li> <li>binomial nomenclature</li> </ul> </li> <li>1 mark for any from:         Reason:         <ul> <li>Needed a way of everyone classifying/grouping in the same way.</li> <li>Things can be grouped in all sorts of different ways, so needed <b>one</b> way.</li> <li>Scientists were grouping in different ways and getting different results.</li> <li>The need for a common system.</li> <li>Any negative for <b>not</b> having a common system.</li> </ul> </li> </ol>	2	Accept errors in spelling where the intention is clear.		
<b>4.</b> We sort living things into different groups at different levels. What is the name of the original level of groupings that included 'animal' and 'plant'?					
	1 mark for:  • Kingdom/s	1			



question	answer	marks	notes			
<b>5.</b> a) Use th	5. a) Use the key below to sort the following animals. Write the name of each animal and the correct end box.					
	Animal Kingdom  Vertebrates  Invertebrates  Invertebrates  Invertebrates  Frog  Seagull  Snail  Placentals  Marsupials  Insects  Arachnid  Human  Fox  Ant  Spider	7	1 mark for each totalling 7			
create anot	completing the previous question, you should have her category which can be used to separate then ting in the category they are both in:		with two answers. Using the key below,			
·	Answer 1 mark for each new category: any sensible and correct classification such as 2 legs/4 legs or hair/fur for human/fox.  If there are incorrectly placed answers in question 5 a) then any further correct classification of an incorrectly placed pair will still get the marks.	1				
6. a) Here a into.	re some animals to classify into groups. Write the	e differen	t groups that each animal could be sorted			
	Answers (in any order) for a total of 4 marks:  Bird (Aves) - Eagle Fish (Chondrichthyes) — Shark Reptile (Reptilia) — Crocodile Amphibian (Lissamphibia) - Newt Insect (Insecta) — Ladybird  Also accept Linnaeus classification used cor-	4	0 marks for 1 correct, 1 mark for 2 correct, 2 marks for 3 correct, 3 marks for 4 correct, 4 marks for 5 correct.			
	rectly (shown here in brackets).					
<b>6.</b> b) What r	nakes the ladybird different to all the other anima	als in this	key?			
	The ladybird is an invertebrate (all the others are vertebrates).	1				
7. What <b>class</b> of animal is a fox?						
	1 mark for:  • Mammalia/mammals	1				
8. Name the	8. Name the three types of microorganisms.					
	<ul><li>1 mark for all of:</li><li>Bacteria</li><li>Fungi / fungus (not mould)</li><li>Virus</li></ul>	1	(NB: All moulds are fungi but not all fungi are moulds)			



question	answer	marks	notes		
9. Which type of microorganism is unusual and why are scientists disagreeing whether it should be classed as a microorganism or not?					
Trici oorgani	1 mark for the answer <b>and</b> the explanation: Answer:  Virus Explanation from: It is not living It has to live on something else/not on its own	1			
<b>10.</b> Fill in the	e table below showing examples of helpful and ha	ırmful mic	roorganisms, one has been done for you:		
	1 mark for each example from examples such as:  Harmful:  Fungus: mould on food  Fungus: athlete's foot or other infections on the body  Virus: making people / animals ill  Bacteria: food poisoning  Bacteria: tooth decay  Helpful:  Fungus: yeast in bread making  Bacteria: in live yoghurt  Bacteria: to make milk / cheese  Fungus: yeast makes alcohol / wine  Fungus: used in medicines / penicillin  Bacteria: decomposing things / in soil	2	Also include other correct examples.  NB: there must be one harmful and one helpful example.		
<b>11.</b> Name a	way that food is preserved to stop it going moul	ldy quickly	<b>/</b> .		
	1 mark for any from:     Freezing     Vacuum packed     Salting/curing     Tinned     Refrigerate     Additives/chemicals     Add sugar     Smoking     Dried food     Irradiation	1			
12. Name one of the conditions that help mould grow well.					
	mark for any from:     Warmth     Damp     Stagnant air     Food/something to grow on	1			
		Total 26			

