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**Science Year 7 2021**

**Task 6 – Classification Biology Test**

**Weighting – 20%**

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mrs Davies Mr Matthews Ms Van Wees Mrs Wiltschut Mr Wheeler

Section 1: Multiple Choice \_\_\_\_\_\_/ 10 marks

Section 2: Short Answer \_\_\_\_\_\_\_/ 29 marks

**Total: \_\_\_\_\_\_/ 39 Marks %**

**Section One: Multiple choice (10 marks)**

*Select the most correct answer*

1. Out of these animals: cat, dog, bird, rabbit, which is the odd one out?
2. Bird
3. Cat
4. Dog
5. Rabbit
6. A vertebrate is an animal:
7. that can fly
8. that does not have a backbone
9. that lives on land
10. that has a backbone
11. Which of the following is not a member of the plant kingdom?
12. trees
13. grass
14. moss
15. mushrooms
16. What are three defining features of mammals?
17. they have hair, scales and feed milk to their young
18. they have hair, lay eggs and are endothermic (warm-blooded)
19. they have hair, are endothermic (warm-blooded) and feed milk to their young
20. none of the above
21. A decomposer is:
22. an organism that breaks down dead or decaying organisms
23. an organism that can make its own food from sunlight
24. an animal that hunts down it’s prey
25. a dying organism
26. A producer’s role in an ecosystem is to:
27. produce offspring
28. use the sun’s energy to produce energy
29. consume other organisms
30. none of the above
31. Select the level of classification in which organisms are the most similar:
32. Kingdom
33. Genus
34. Order
35. Species
36. The scientific name comes from combining the:

1. Family and species
2. Genus and species
3. Kingdom and phylum
4. Genus and the name of the scientist who discovered it
5. Which is an example of a predator/ prey relationship?
6. A horse eating grass
7. A vine hanging on a tree
8. A fox eating a rabbit
9. A tick on a deer
10. What could the X be in the food chain below?

Plant → X → Mouse → Snake

1. Cow
2. Slug
3. Corn
4. Eagle

**Section Two: Short Answer (29 marks)**

11. Tick which features belong to the three classes of vertebrates listed below. (3 marks)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Vertebrate** | Warm blooded | Give birth to live young | Feed offspring milk | Undergo meta-morphis | Have a spinal cord |
| **Reptiles** |  |  |  |  |  |
| **Mammals** |  |  |  |  |  |
| **Amphibian** |  |  |  |  |  |

12. Explain using the seven characteristics of living things why plants are considered ‘living’.   
 (7 marks)

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13. Write the missing levels of classification in the list below in the correct space. (4 marks)

|  |
| --- |
| Kingdom |
|  |
|  |
| Order |
|  |
| Genus |
|  |

14. Use the dichotomous key below to answer the questions

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1. What is the name of the yellow alien? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1 mark)
2. Look at the species name of each of the aliens. What is clearly used to help name the species? Provide an example in your response (2 marks)

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15. Use the food web below to answer the following questions.

Diagram

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1. Identify one of each of the following: (2 marks)

Producer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Secondary consumer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Draw a four-step food chain that occurs in this food web (2 marks)
2. Describe in detail what could happen if the lizard was removed from the food chain (3 marks)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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16. Create a **branching** dichotomous key for the animals below using **physical features only**. (5 marks)

Diagram

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Draw your key in the space below:

**End of Test**

**Finished? Check all of your answers again, then attempt this wordsearch ☺**

