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

***Year 7 Biology 2020***

***Dichotomous Key Assessment Task***

1. Using the dichotomous key provided below, describe all the characteristics of: (3 marks)

½ deducted whenever a characteristic is missing

a) a mosquito \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Insect with small or no wings, very long rear legs, antennae in the front of head

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

b) a grasshopper \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Insect with small or no wings, very long rear legs, antennae to the rear

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c) a termite soldier \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Insect with small or no wings, shorter rear legs, not horned head, small eyes

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

A screenshot of text

Description automatically generated

2. Modify the following list to reflect the levels of classification from the largest to the smallest group. (1 mark)

class, family, genus, kingdom, order, phylum, species

½ deducted whenever there is a ‘swap’ of two, or when one level is in the wrong place.

Kingdom, Phylum, Class, Order, Family, Genus, Species

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

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3. Students created this key for their group. (1 mark)   |  |  |  | | --- | --- | --- | | 1a | male | go to 2 | | 1b | female | go to 5 | | 2a | straight hair | go to 3 | | 2b | curly hair | go to 4 | | 3a | can roll tongue | Mark | | 3b | cannot roll tongue | Yasu | | 4a | brown eyes | Hans | | 4b | grey eyes | Jack | | 5a | straight hair | Jane | | 5b | curly hair | Mai |   Provide a complete description of Jack;  ½ deducted whenever a characteristic is missing.  Male, with curly hair and grey eyes.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

4. Complete the dichotomous key below (using the words from the boxes underneath) so that all of the animals can be identified. (3 marks)

**½ EACH**

A screenshot of a cell phone

Description automatically generated

5. Using the below pictures, complete the table to summarize the features of the eight striped animals. You will use this information to construct a dichotomous key. (8 marks)

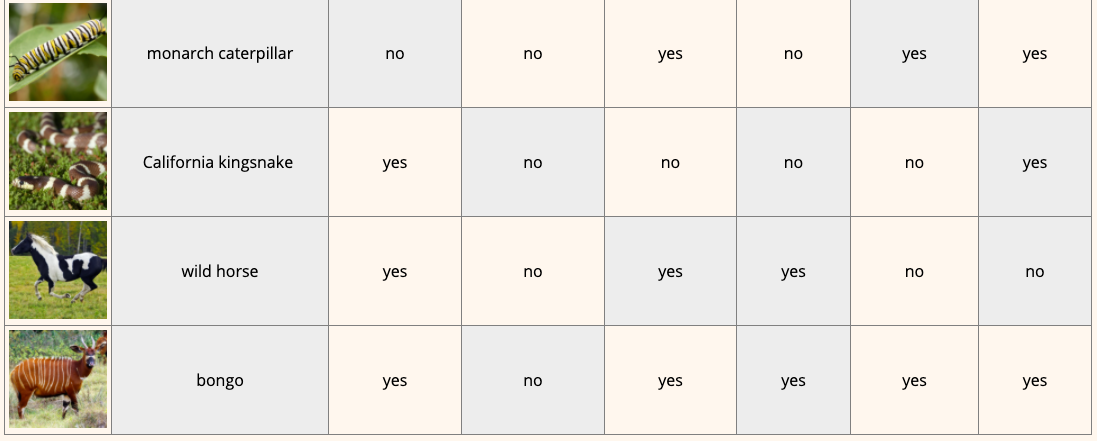
A group of zebra standing on top of each other

Description automatically generated

**1 mark for each animal (each row).   
½ mark deducted every time a box in the row is wrong.**

A screenshot of a cell phone

Description automatically generated



6. Create your branching dichotomous key on this page. Remember to give it a title.

(8 marks)

Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**1 mark for each branch = 7 marks**

**plus 1 mark for Title**

Follow through any mistakes made on the table   
(eg. if they said lion-fish is not regularly striped, they lost a mark on the table, but not on the key).

7. According to the Classification chart below, which two organisms are most closely related? Explain why? (1 marks)

A screenshot of a cell phone

Description automatically generated

2 and 4 because they share the same **Family** and so are the closest.

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**END OF ASSESSMENT**

**TOTAL MARKS:\_\_\_\_\_\_\_\_\_\_/25**