**Dichotomous Key - Evaluate Questions**

1) Why is it important to create a classification system for organisms? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) By using a dichotomous key you are able to….

1. Examine differences and similarities in different objects
2. Eliminate options based on characteristics
3. Identify two animals at once
4. B and C
5. A and B

3) From learning about and using a dichotomous key, what BEST describes the definition of dichotomous?

1. Having several characteristics to determine from
2. Having two selections to narrow down options
3. Having several steps to determine organism name
4. None of the above

4) What would happen if you started trying to classify an organism on a step other than the first?

1. You will get the same answer no matter what step you start on
2. The final answer may not be correct because all the traits were not evaluated

5) If characteristics are too vague, what can happen when using the key?

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6)) Explain how having a unique characteristic benefits biologists trying to categorize insects.

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7) What characteristics are not useful for determining the insect?

1. Length of prothorax
2. Size of insect
3. Number of wings
4. Presence of pincers

8) Describe four basic characteristics of a dichotomous key.

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