CLASSIFICATION QUESTIONS

PLEASE ANSWER IN YOUR JOURNAL USING COMPLETE SENTENCES

1. Describe the taxonomic system of classification.

2. How are these groups arranged?

3. The genus and species names of organisms is similar to your first and last names. What is the standard form of writing the genus species name of an organism? (i.e. what are the rules for writing this?)

4. Describe the binomial (Linnaeus) approach to classifying species.

5. Using table 3.1, describe 5 marine phyla and one characteristic organisms within each phyla share.

6. What are some of the most important differentiating features used to make more precise phylum determinations? Describe each one briefly.

7. How are radial and bilateral symmetry different? Make a sketch of this

8. We will not be sketching unknown organisms ☹ However, using your knowledge of classification, how would you classify our marine biology elective using the formal hierarchy of organization?

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