STEM Biology B Final

Name: _____

☐ ***Complete bracket diagram: meets the standards of quality (20 points)***

Minimum standards of quality for bracket: *constructed using a ruler, well organized, clear/correct labeling of specimens*

☐ ***Complete taxonomic key: typed and usable based upon the bracket diagram (20 points)***

☐ ***Taxonomic Classification Analysis (2o points)***

- ✓ Discuss the development of the modern taxonomic system, why it's important and how it displays evolutionary relationships.
- ✓ Write a brief description of the process by which you constructed the bracket diagram and taxonomic key.
- ✓ Indicate and explain which phyla were represented most often in your diagram and which phyla were not well represented.
- ✓ Describe the major characteristics of the taxonomic groups represented
- ✓ Attempt to describe which organisms have closer evolutionary relationships **based on your bracket diagram**.
- ✓ Include a discussion of limitations and errors of this project as well as possible extensions and modifications.

Minimum standards of quality for analysis

- *Written in paragraph form, typed, and printed, not shared/e-mailed*
- *A title (example "Classification of Life"), the name of the student, date and subject at the beginning of the report*
- *Conventional errors (grammar and spelling) should be minimal*
- *The final draft must be submitted for evaluation on the assigned due date*

Final: Use of taxonomic key to classify one organism. (100 points)

Scoring:

- ✓ *100 points…ability to answer all questions correctly (maximum 4) and correctly uses taxonomic key to correctly classify organism.*
- ✓ *90 points…only answer 1 or 2 questions correctly (without coaching) and/or makes one mistake on the classification of assigned organism*
- ✓ *80 points…only answer 1 question correctly (without coaching) and/or makes 2 mistakes on the classification of assigned organism*
- ✓ *70 points…doesn't answer any questions correctly (without coaching) and/or makes 3 mistakes on the classification of the assigned organism.*
  If this is the case, the student will be asked to fix the mistakes made during classification of given organism and try again for a maximum score of 70 points. If the student elects not to correct the mistakes, no score will be earned.

- ✓ ***Non-participation will result in earning a non-passing score on the final***

Name: _____ ***Taxonomic Classification Final***

☐ ***Complete bracket diagram: meets the standards of quality***

Minimum standards of quality for bracket: *constructed using a ruler, well organized, clear/correct labeling of specimens*

☐ ***Complete taxonomic key: typed and usable based upon the bracket diagram***

☐ ***Taxonomic Classification Analysis***

Minimum standards of quality for analysis

- *Written in paragraph form, typed, and printed, not shared/e-mailed*
- *A title (example "Classification of Life"), the name of the student, date and subject at the beginning of the report*
- *Conventional errors (grammar and spelling) should be minimal*
- *The final draft must be submitted for evaluation on the assigned due date*

Organism classified: _____ ***Score: 100 90 80 70***

Name: _____ ***Taxonomic Classification Final***

☐ ***Complete bracket diagram: meets the standards of quality***

Minimum standards of quality for bracket: *constructed using a ruler, well organized, clear/correct labeling of specimens*

☐ ***Complete taxonomic key: typed and usable based upon the bracket diagram***

☐ ***Taxonomic Classification Analysis***

Minimum standards of quality for analysis

- *Written in paragraph form, typed, and printed, not shared/e-mailed*
- *A title (example "Classification of Life"), the name of the student, date and subject at the beginning of the report*
- *Conventional errors (grammar and spelling) should be minimal*
- *The final draft must be submitted for evaluation on the assigned due date*

Organism classified: _____ ***Score: 100 90 80 70***