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

Organism Card Sort Activity

Word Bank

* Unity – a whole or totality as combining all its parts into one
* Diversity – variety; a point of difference
* Fossil – remain of prehistoric organism preserve in petrified form

Sort Activities – Complete each sort as directed by your teacher. Answer the questions for each sort below.

* Sort 1 – Student’s choice: List and describe the way(s) in which you and your group sorted your organisms.
* Sort 2 – Rules sort. Use the rules you teacher provides as the guideline for your sort
* Sort 3 – Animal Group ONLY! Look at the additional INSIDE PICTURE cards your teacher gives you for organisms #7, 13, 17, and 20. Sort your animals into more specific groups and provide the criteria for each group.
* Sort 4 – Use ONLY the living organisms to analyze the DNA sequences for organisms #9 – 20. Resort your organisms using the DNA information for living organisms.

Conclusion Questions

What points of **unity** do you notice among the organisms you sorted? In other words, what do all of the organisms you sorted have in common? You can include items even if you did not “see” it.

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What points of **diversity** do you notice among the organisms you sorted? In other words, in what ways did you and your group sort the organisms? You can include items even if you did not “see” it.

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Is extinction a natural process? Explain why or why not.

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How has the grouping of organisms in taxonomy changed since scientists can now sequence DNA?

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