

Name: \_\_\_\_\_ Date Due: \_\_\_\_\_

## Biological Organization Project

You will be completing a project about a single species and how it fits into the **biological levels of organization**. Check off each step as you complete it!

Step One: Choose your organism. My Organism is \_\_\_\_\_

You can choose any organism that lives in any part of the world, except for pets and extinct animals. Pick something you are interested in learning more about! Ex: African Elephant (*Loxodonta Africana*)

Step Two: Research about your organism.

Find out information about the cell, tissue, organ, organ system, organism, population, community, and ecosystem **specific to your organism**. Make sure to find ALL of the necessary information for each level of organization.

Step Three: Assemble your information.

Using ten note cards or construction paper, create a drawing of each level of organization. On the back, write the definition for this level of organization. Tie or staple these drawings together **in order**: cell, tissue, organ, organ system, organism, population, community, ecosystem, biosphere.

## Grading Criteria

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|--|---------------|
| <b>Card #1:</b> Cell picture (Picture of cell)<br>Cell definition  | (5 pts) _____ |
| <b>Card #2:</b> Tissue picture (Picture of tissue)<br>Specific Tissue definition   | (5 pts) _____ |
| <b>Card #3:</b> Organ picture (Picture of Organ)<br>Specific Organ definition  | (5 pts) _____ |
| <b>Card #4:</b> Organ System picture (Picture of Organ System)<br>Specific Organ System definition   | (5 pts) _____ |
| <b>Card #5:</b> Organism picture (only one organism is shown)<br>Two Facts about Organism  | (5 pts) _____ |
| <b>Card #6:</b> Population picture (several individuals of the same species – no other biotic or abiotic factors)<br>Does your animal live alone or in groups, how many exist in the wild? | (5 pts) _____ |
| <b>Card #7:</b> Community picture (at least 2 other organisms; no abiotic factors)<br>What other species does your organism interact with?   | (5 pts) _____ |
| <b>Card #8:</b> Ecosystem picture (includes at least 3 abiotic factors and 3 biotic factors with <u>labels</u> )<br>Ecosystem definition   | (5 pts) _____ |
| <b>Card #9:</b> Biosphere picture<br>Biosphere definition  | (5 pts) _____ |
| Colorful, Neat, Clear Amount of Time and Effort  | (5 pts) _____ |

**Final Grade: \_\_\_\_\_/50**