Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Group: \_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_

Discovering a New Organism! Using Binomial Nomenclature and Classifying Living Things



You are a biologist …and you have just discovered a new species ….a new type of living creature!

For this project, you will assign your organism a scientific name, draw a picture of your organism, and write about its characteristics, behaviors, habitat, and diet. You will classify your organism into one of the five kingdoms and identify possible ancestors. You will also create a 3-D model of your organism. You will then present your final work to the other scientists in your class!

* Naming and Illustrating Your Organism
* Your own last name will be the genus name for your organism. It will come first and begin with a capital letter, followed by lower case letters.
* Your first name will become the species name for your organism. It will come second and is written entirely in lower case letters.
* Add one of the following Latin endings to each of your names: tus, us, mus, lus, tyla, lis, ides, alis, pius, les, cuis, iera
* The name of the organism will be in BOLD or BUBBLE print across the top of your illustration. Remember, there is no comma in between the two names
* Draw a picture of your creature….Use lots of color, be creative!
* Label and describe 5 physical characteristics of your creature
* Include a background, which is the place of discovery and habitat of your organism
* Be sure the picture fills the paper
* Writing About your Organism
* Begin by completing the graphic organizer
* Use the information from the graphic organizer to develop a written piece that helps define your organism to the scientific world
* Making a Model of Your Organism
	+ Make a 3-D model of your creature using any materials you want to
	+ Model needs to be at least 6 inches in length, but can be longer
	+ Must be colorful, creative, and able to hang from the ceiling!

 Use the three rubrics as guides to be sure you have met all the expectations of these three graded assignments. Be sure to check off each piece on the rubrics as you move along.

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

Rubric for the Naming and Illustrating Your Creature

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Category | Specific Criteria | Check List | Possible Points | Earned Points |
| Name | Genus name is capitalized and comes first Species name comes second and is in lower case letters |  | 5 |  |
| Latin ending is used on both genus and species name |  | 5 |  |
| Scientific Name of Organism is written across the top and in bold or bubble print |  | 5 |  |
| Illustration | Drawing of the organism is colorful and creative |  | 10 |  |
| Picture fills the page, background shows the habitat/site of discovery, with no white showing |  | 10 |  |
| Five physical characteristics are labeled with their description |  | 10 |  |
| Efforts | Work is neat and well organized and reflects best efforts |  | 5 |  |
| Comments/Feedback:ANd9GcTcESeT92HfVqiyodsJ2ehShkOp44mjoL-uOzCzVEKYGIseK14XQKy0DjXi | Total Points | 50 |  |

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

Rubric for the Writing About Your Organism

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Category | Specific Criteria | Check List | Possible Points | Earned Points |
| Graphic Organizer | Each section has been completed and contains specific information and details |  | 10 |  |
| Efforts for Graphic Organizer | Lists are neat, well organized, and reflect students best efforts |  | 5 |  |
| Written Piece includes information about all parts on the graphic organizer | Scientific Name and Date of Discovery |  | 5 |  |
| Physical Characteristics |  | 5 |  |
| Behaviors |  | 5 |  |
| Description of Place of Discovery/Habitat and the Diet of your creature |  | 5 |  |
| Classification: Kingdom your creature belongs to , reason for this classification, and possible ancestors |  | 5 |  |
| Efforts for written piece | Writing is grammatically correct, appropriate use of vocabulary, good sentence structure, correct spelling, and punctuation |  | 5 |  |
| Final copy of the written piece is neat, well organized, and TYPED  |  | 5 |  |
| Comments/Feedback: | Total Points | 50 |  |

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

Rubric for the 3-D Model of Your Organism

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Category | Specific Criteria | Check List | Possible Points | Earned Points |
| Model construction | Model reflects the same physical characteristics of the organism shown in the illustration and described in the writing piece |  | 20 |  |
| Model is 6 inches in length or larger |  | 5 |  |
| Model can hang from the ceiling |  | 5 |  |
| CreativityEfforts | Model is colorful and interesting to look at |  | 20 |  |
|  Model is well put together and reflects the best efforts of the student |  | 10 |  |
| Comments/Feedback:cartoon-creature-animated-thumb3051776 | Total Points | 60 |  |

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

Discovering a New Organism: Graphic Organizer

Scientific Name of Organism: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date of Discovery: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

List of Physical Characteristics: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

List of Behaviors:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Place of Discovery/ Habitat (Location and description):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Diet: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Classification: Kingdom this creature belongs to and why: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Possible ancestors: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_