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Name

Section

Date

## **Exploring New Jersey: Biology & Ecosystem Technology Project**

New Jersey's ecosystems provides a tremendous variety of plants and animals. There are 2,117 native plant species, 90 mammal species, over 400 fish species, 79 reptile and amphibian species, and about 325 bird species.

You will identify and research a specific organism within five (5) different classes: (a mammal, fish, amphibian, reptile, or a bird), that inhabits your *assigned ecosystem*: (Pinelands, Wetlands, Seashore, Lake/Ponds/ Rivers/Streams, or Mountains/Forests). Every student will have a different specific organism.

*Exact name of your specific organism:* \_\_\_\_\_

### **Part I.**

**1. Research and list the entire classification for your organism:**

***Kingdom:***

***Phylum:***

***Class:***

***Order:***

***Family:***

***Genus:***

***Species:***

**2. *Your organism must first be researched, in order to find out the following 7 characteristics about your organism:***

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- **Outer Body Description**\_\_\_\_\_
- **How it Moves:**\_\_\_\_\_
- **Ecosystem Where it Lives:**\_\_\_\_\_
- **What it Eats:**\_\_\_\_\_
- **How it Defends Itself:**\_\_\_\_\_
- **Organism's Color(s):**\_\_\_\_\_
- **Other Unique Characteristics:**\_\_\_\_\_

**3. Write a “creative” employment advertisement for your organism found in your assigned ecosystem:**

Ad should have a *minimum of 8 sentences*, using your researched 7 characteristics about your organism. Do **NOT** name the organism you have been assigned in the ad! *Italicize the 7 characteristics listed in the ad.*

**Sample Advertisement Example:**

**HELP WANTED**

Rock baby sitters needed! Must be *hard skinned*, as job is to keep these rocks safe. You eventually must be able to *permanently attach yourself to these rocks*. This is a *salt water* job only. Should be able to *drink great quantities of water to filter for fine food*, as there is no cafeteria here. *Stinging cells* are required in case of predators. Work uniform provided will be *light color* in appearance. *NO backboners* wanted! If interested, call 1-800- INVERTEBRATE.

**Your Advertisement (with a title):**