

Name(s):		
	Date:	

## **Animal Adaptations, Bird Beak Investigations**

Have you ever wondered why there are so many different kinds of bird beaks? A bird's beak is mainly used for feeding. Bird beaks have different shapes and sizes, based on a bird's diet and available food sources. An adaptation is a part of an animal's body or way that an animal behaves that helps it to survive. A bird's specialized beak helps it to survive. Below are some common bird beak shapes and what they most commonly eat. **Record examples of species with each type of beak.** 

Seed Eater: Cone shaped, strong beak used for cracking seeds and nuts  Example:	Aquatic omnivore: fringed to strain plants, seeds, and small animals from mud and water  Example:
Insect eater: Thin, slender, pointed beaks used to pick insects off leaves, twigs, and bark  Example:	Aquatic scooping carnivore: pouch-like or spoon-like beak used for scooping up fish or crustaceans  Example:
(Drilling) Insect eater: strong beaks that form a sharp tip for pecking holes in trees to find insects which live under the bark  Example:	Aquatic hunting carnivore: fish-eating birds have spear-like beaks designed for stabbing fish  Example:
Nectar eater: long, tubular bills that resemble straws, used to sip nectar from flowers  Example:	Raptors: sharp, "hooked" beaks used to tear prey into pieces small enough to swallow  Example:

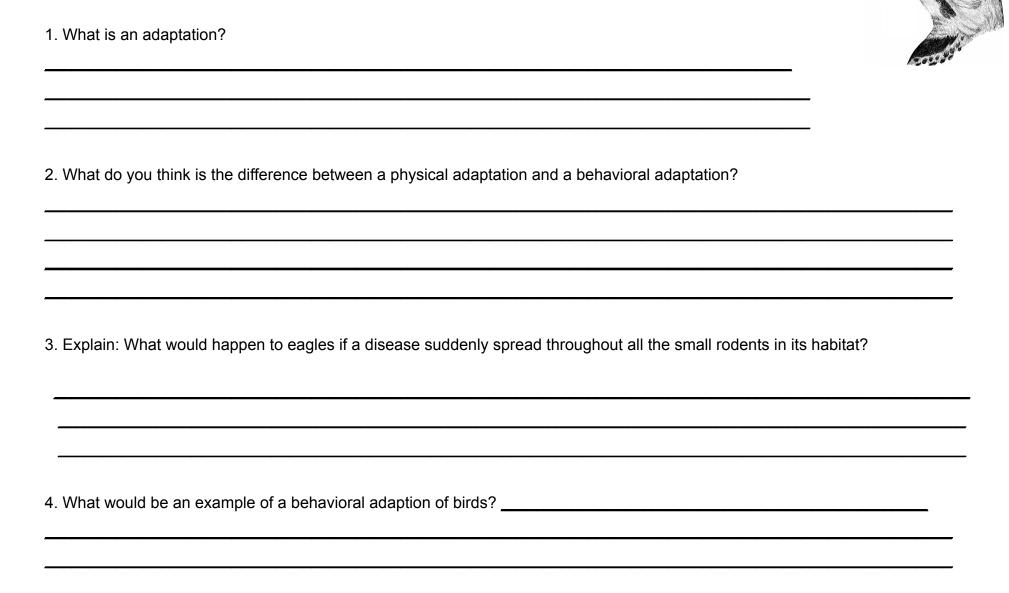
## 2. Investigate: Bird Beaks

- Work together in groups of four or more. Each person has one tool to use as a "bird beak" (spoon, tweezers, clothespin, dropper).
- Spread all the "food items" in a tray. (Food items: string or yarn, erasers, beans, gummy candy)
- Label the cups according to their "bird beak" tools: spoon, tweezers, clothespin, dropper. The cups are your "stomachs"!
- Round 1: Use a stopwatch to time 30 seconds.
  - > Pick up as many pieces of **string** as you can using the different "bird beak" tools and place them in the appropriate cup.
  - > Count the pieces of string and record your results on the table.
- Rounds 2-4: Repeat with each food item, recording your results.
- Use the last row to predict what type of bird might use that particular type of bird beak.

How many can you pick up in 30 seconds?

now many can you pro	Spoon	Tweezers	Clothespin	Dropper	Total Collected
1. String/ Yarn					
2. Small Eraser					
3. Beans					
4. Gummy candy					
Predict: What type of bird uses this type of beak?					

## 3. a) Reflect: Adaptations



## 3. b) Predict

Use the space provided to describe physical or behavioral adaptations of each animal:

Skunk	Monarch Butterfly
Shark	Otter
Red Fox	Ants