Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**I CAN** explain how living things are classified based on their physical and inherited characteristics.

 Interpret a dichotomous key to identify a species.

Period \_\_\_\_Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* **Use the dichotomous key to identify each bat family.**
* **Write the COMMON NAME above each bat picture.**

**BAT DICHOTOMOUS KEY**

1a. First finger and thumb both have claws . . . . . . . . . . . . . . . . . . . Flying Fox Bat Family (Pteropodidae)

 TARE-ah-POH-did-day

1b. First finger never has a claw . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .**go to** **2.**

2a. Bat has a nose leaf (a fleshy triangular shape above the nose) . . . . . . New World Leafnosed Bat Family

 (Phyllostomidae)

 FYE-low-STOW-mid-day

2b. Bat does not have a nose leaf . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **go to** **3.**

3a. Bat does not have a tail . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Vampire Bat Family(Desmodontidae)

 DEZ-mow-DON-tid-day

3b. Bat has a tail . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **go to** **4.**

4a. Feet are very large, more than twice as long as the bat’s thumbs . . . .Fishing Bat Family (Noctilionidae)

 NOCK-til-lee-ON-nid-day

4b. Feet are small, never more than slightly longer than the thumbs . . . . . .**go to** **5\***

5a. Face has leaf-like flaps around the mouth; short tail extends only

 halfway to the edge of the tail membrane . . . . . . . . . . . . . . . . . . . Ghost-faced Bat Family(Mormoopidae)

 more-MOO-pid-day

5b. Face does not have leaf-like flaps around the mouth; tail is long, reaching the

 edge or extending beyond the edge of the tail membrane . . . . . . . . . . . **go to** **6.**

6a. Tail does not extend beyond the tail membrane; ears are widely separated. . . . . .Plain-nosed Bat Family

 (Vespertilionidae)

 VESS-per-til-lee-ON-nid-day

6b. At least one-third of the tail extends beyond the tail membrane; ears are joined or

 nearly joined on the forehead . . . . . . . . . . . . . . . . . . . . . . . . . . . . .. .. Free-tailed Bat Family(Molossidae)

 mow-LOS-sid-day

\*Except for select species in the *Vespertilionidae* family that fish and live in tropical areas

<http://www.tohonochulpark.org/wordpress/wp-content/themes/cognoblue/images/PDFs_edu/Bats-FlyingAcesOutreach.pdf>

**PHYSICAL CHARATERISTICS OF A BAT**





