NAME _____ DATE _____

Traits: Weigh the Evidence

Step 1: Evaluate the evidence

1. Read the evidence. Underline any key ideas that help you answer the questions in the table.

2. Fill in the table.

Evidence	How do **genes** (and the **proteins** they code for) help make the trait?	Does an organism's **environment** ("**context**") affect the trait? If so, how?
1. Language(s) Spoken		
2. Muscle Mass		
3. Cilantro Taste Preference		
4. Digestive Enzymes in Pitcher Plants		

NAME _____ DATE _____

Step 2: Weigh the Models

3. Choose one evidence card. What is the trait? _____

4. Emil (Model A) says, "An organism's traits are made *only* by its genes."

a. Does the evidence show that anything other than genes affects the trait? (**Y / N**)

b. Does the evidence:

...***support*** Model A? (**Y / N**) ...***contradict*** Model A? (**Y / N**)

c. Explain your choices:

5. Keyana (Model B) says, "An organism's traits are made by its genes *and* factors from its environment."

a. Does the evidence show that genes AND the environment affect the trait? (**Y / N**)

b. Does the evidence:

...***support*** Model B? (**Y / N**) ...***contradict*** Model B? (**Y / N**)

c. Explain your choices:

Step 3

After class sharing, complete page 2 of *Traits: Two Models*.