5.10B Inherited Traits and Learned Behaviors Student Expectation  Clark 2016-2017

The student is expected to differentiate between inherited traits of plants and animals such as spines on a cactus or shape of a beak and learned behaviors such as an animal learning tricks or a child riding a bicycle.

Essential Questions that students will be asked

Essential Questions- What is the difference between an inherited trait and a learned behavior?
- What are some examples of inherited traits in plants and animals?
- What are some examples of learned behaviors in plants and animals?

Key Concepts that need to be understood to answer essential questions

- Some traits are inherited from parent to offspring, while other behaviors are learned during an organism’s lifetime.
- Inherited characteristics are things such as hair color, the shape of a beak, and spines on a cactus.
- Acquired characteristics can include learned behaviors such as a child riding a bicycle or animals learning tricks. They can also include physical characteristics such as a scar.

4/4- HW 5.10B Inherited Traits and Learned Behaviors Pre-Assessment

4/10 – CW Read STEMscopedia pages 121-125 complete Option A or B

4/11- CW 5.10B Inherited Traits and Learned Behavior Explore Student Journal

4/12- Explain
   Reading- Inherited Traits and Learned Behaviors

   Writing- Write about some of the physical or behavioral traits lions inherit. What behaviors necessary to survival do lions acquire through experience or by watching other lions? Write about and explain a situation for the lion where you think the two types of traits work together.

4/17 HW Vocabulary
   Inherited Physical Trait       Acquired Physical Trait
   Learned Behavior              Inherited Behavior

4/17- HW 5.10B Inherited Traits and Learned Behaviors Concept Review
4/18- 5.10A Adaptations Post Assessment
4/19 & 4/20 Final Major Assessment covering all material from the year and will count twice in grades.
4/21- Earth Day Activities

Student and Parent Signature

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Directions after reading pages 121-125 in the STEMscopedia Book chose one of the following to complete:

Option A RFQs 6 base questions, 4 paired questions, Explore Student Journal
Option B (Web Surfing, Student Journal, and Claim, Evidence, and Reasoning)
** Will sign up and required to complete all pieces.**

Option A - Base Questions- Complete all 6 using complete sentences to answer the following questions. Don’t forget to included PPL

1) What are some characteristics that animals and other organisms are born with?
2) What are some characteristics that appear or develop after birth?
3) Define the word offspring
4) Given an example of a trait that is passed from a parent to an offspring
5) What does the word inherited mean?
6) What is an acquired trait?

Paired Questions- Choose 4 of the following to complete for a total of 10 RFQs
A) Give two examples of acquired traits that you have.
B) Compare and contrast an acquired trait with a learned behavior. (double bubble?)
C) What are some examples of plant and animal inherited traits?
D) What are some examples of plant and animal acquired traits?
E) Define cell.
F) Using the what do you think on page 123 answer the following question
   a. Is the puppy running to the door when a family member pick up a set of keys an inherited characteristic or a learned behavior?
G) Try Now- Try the following activity to explore more about the difference between inherited traits and learned behaviors.
   A) Place a coin on the back of your hand. Tilt your hand so the coin begins to slide off.
   B) As it falls, try to turn your hand to catch the coin. Record whether or not you caught the coin.
   C) Try to catch the coin 10 more times. Record the results each time.
   D) What happened during the second try? What about the 5th try or the 10th try? Did it get easier or harder to catch the coin?
   E) Is the ability to catch the coin an inherited trait or a learned behavior? How do you know?