



Unit 1: Traits and Variation Student Handout #2

Name _____

Group Members: _____

Driving Questions:

1. How are traits passed from one generation to the next?
2. How can a change in the environment affect the development of the trait?

My prediction on the mature plants:

was confirmed

needs to be adjusted

Directions: Continue making and recording observations and watering plants. You may not get 4 plants, or you may have more. Fill out appropriate columns only, and only check boxes that apply. Include drawings in the space under the checklist of traits.

Plant Number	1	2	3	4
Date	<input type="checkbox"/> Purple stem <input type="checkbox"/> Green stem <input type="checkbox"/> Hairless stem <input type="checkbox"/> Hairy stems <input type="checkbox"/> Yellow-green leaves <input type="checkbox"/> Green leaves <input type="checkbox"/> Tall <input type="checkbox"/> Short	<input type="checkbox"/> Purple stem <input type="checkbox"/> Green stem <input type="checkbox"/> Hairless stem <input type="checkbox"/> Hairy stems <input type="checkbox"/> Yellow-green leaves <input type="checkbox"/> Green leaves <input type="checkbox"/> Tall <input type="checkbox"/> Short	<input type="checkbox"/> Purple stem <input type="checkbox"/> Green stem <input type="checkbox"/> Hairless stem <input type="checkbox"/> Hairy stems <input type="checkbox"/> Yellow-green leaves <input type="checkbox"/> Green leaves <input type="checkbox"/> Tall <input type="checkbox"/> Short	<input type="checkbox"/> Purple stem <input type="checkbox"/> Green stem <input type="checkbox"/> Hairless stem <input type="checkbox"/> Hairy stems <input type="checkbox"/> Yellow-green leaves <input type="checkbox"/> Green leaves <input type="checkbox"/> Tall <input type="checkbox"/> Short

Plant Number	1	2	3	4
Date	<input type="checkbox"/> Purple stem <input type="checkbox"/> Green stem <input type="checkbox"/> Hairless stem <input type="checkbox"/> Hairy stems <input type="checkbox"/> Yellow-green leaves <input type="checkbox"/> Green leaves <input type="checkbox"/> Tall <input type="checkbox"/> Short	<input type="checkbox"/> Purple stem <input type="checkbox"/> Green stem <input type="checkbox"/> Hairless stem <input type="checkbox"/> Hairy stems <input type="checkbox"/> Yellow-green leaves <input type="checkbox"/> Green leaves <input type="checkbox"/> Tall <input type="checkbox"/> Short	<input type="checkbox"/> Purple stem <input type="checkbox"/> Green stem <input type="checkbox"/> Hairless stem <input type="checkbox"/> Hairy stems <input type="checkbox"/> Yellow-green leaves <input type="checkbox"/> Green leaves <input type="checkbox"/> Tall <input type="checkbox"/> Short	<input type="checkbox"/> Purple stem <input type="checkbox"/> Green stem <input type="checkbox"/> Hairless stem <input type="checkbox"/> Hairy stems <input type="checkbox"/> Yellow-green leaves <input type="checkbox"/> Green leaves <input type="checkbox"/> Tall <input type="checkbox"/> Short
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Traits

Which pup belongs to these poochy parents?

1.



A.



B.



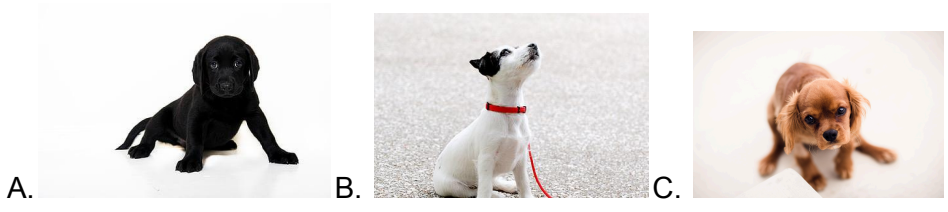
C.



I chose letter ____ because

The father is a German Shepard. The mother is a Golden Retriever. I would call the puppy's breed: _____

Which pup belongs to these poochy parents?



I chose letter _____ because

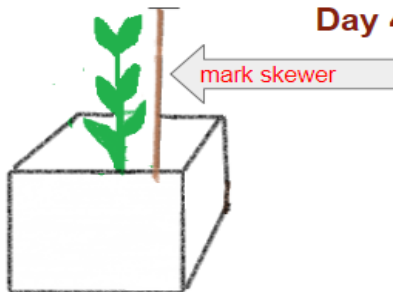
The father is a Dalmatian. The mother is a Standard Poodle. I would call the puppy's breed:

Our plant is getting daily light.
 is not getting lower or less daily light.

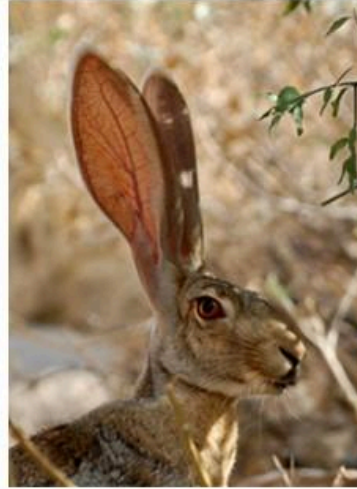
Remember to mark the skewer with the appropriate color for the next several days.

Day 1 = red **Day 2 = blue** **Day 3 = green**

Day 4 = brown **Day 5 = black**



How did the jack rabbit get its long ears?



Beatrice and her friends were discussing how the jack rabbit got its long ears. These were their ideas:

Beatrice: “The jackrabbit used its ears to hear and cool off, so they grew during its lifetime. Then, it passed those longer ears to its offspring.”

Gloria: “There were some jackrabbits with longer ears than others, and they heard predators better and stayed cooler than those with shorter ears. They survived better in the desert environment and had more offspring than jackrabbits with shorter ears.”

Cat: “One jackrabbit got his ears pulled by a hawk until they were the size they are today. As a result, all jackrabbits have long ears in the Sonoran Desert.”

After all you have learned in Unit 1, who do you agree with on how the jack rabbit got its long ears? Explain your thinking.

I agree with _____ because _____
