

Name:

Why does the stag beetle in the City Museum Bug Room have such long jaws?

Notice and Wonder

1. What do you notice about the fighting stag beetles?

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2. What questions do you have about the fighting stag beetles?

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Explore

3. Record the percentages of light and dark moths that survived by the end of your game in the light forest.

Percent of Light Moths That Survived:	
Percent of Dark Moths That Survived:	

4. Why did one type of moth survive better than the other type of moth?

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Explain

5. Draw a model or write to explain why the long mandible trait became common in male stag beetles over time.

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Take it Further

6. Use this T-chart to record examples of inherited traits and traits caused by the environment in hellbenders.

Traits Inherited from Parents	Traits Caused by the Environment

Key Takeaway: Living things inherit their traits from their parents. The traits that are most helpful for survival and reproduction are the ones that will become more common in a population of living things. In addition to inherited traits from parents, the environment can affect how living things look and behave.