


ESSENTIAL QUESTIONS

UNIT TWO




Essential Question #1 9/3

- Describe what you know about evolution.
 - Answer:
 - Evolution: The change in the inherited characteristics of biological populations over successive generations
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Essential Question #2

- What animal did Darwin theorize we evolved from?
 - Compare and contrast natural selection vs. survival of the fittest
- 




Essential Question #3 9/5

- Give an example of natural selection in nature.
 - Finches with variations in beak shape and size
 - The peppered moth adapting to darker trees
- 



Essential Question # 4 9/6

- What impact did the Industrial Revolution have on the Peppered Moth?
 - The Industrial Revolution sent pollution in the air, which in turn, darkened the forests surrounding the cities. Through natural selection, the city Moths darkened as it was favorable camouflage.
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Essential Question #5 9/9


- Name Four of the Seven aspects of evolution we will be learning about this week.
 - Modern theory
 - Origins of Evolution
 - Natural Selection and Types
 - Influence of Evolution



Essential Question #6 9/10

- Define Natural Selection....

Answer

- Natural selection is the mechanism of change in populations over time
- 



Essential Question #7 9/11


- How Does Natural Selection Work?
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Essential Question #7 9/11

- How Does Natural Selection Work?

Answer

- Organisms with favorable variations survive, reproduce, and pass on their variations to the next generation
 - Organisms without favorable variations are less likely to survive
 - Each new generation has more offspring with favorable variations aiding their survival
- 



Essential Question #8 9/12

- Define Directional, Stabilizing and Disruptive Selection.
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