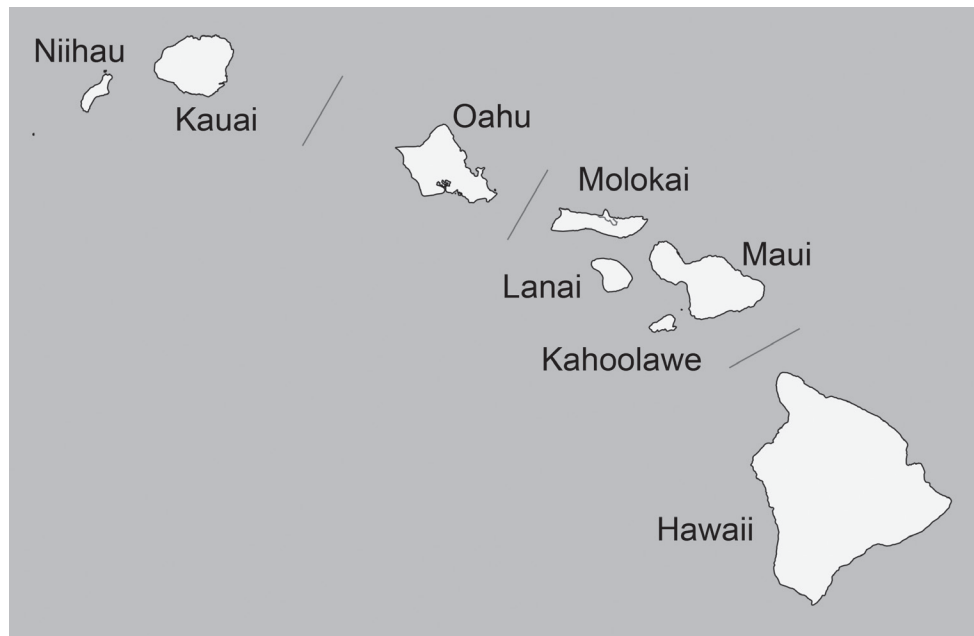


LAB 7

Checkout Questions

Lab 7. Formation of Geologic Features: How Can We Explain the Growth of the Hawaiian Archipelago Over the Past 100 Million Years?

1. Below is a map of the Hawaiian archipelago, shown from above. On the map, draw what you think the archipelago will look like in 100 million years.



Explain your drawing below.

Formation of Geologic Features

How Can We Explain the Growth of the Hawaiian Archipelago Over the Past 100 Million Years?

2. Below is a picture of the Japanese archipelago. What information would you need to determine if the Japanese archipelago formed in the same way the Hawaiian archipelago formed?



3. Scientists can change or refine a model when presented with new evidence.
- I agree with this statement.
 - I disagree with this statement.

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Explain your answer, using an example from your investigation about the formation of the Hawaiian archipelago.

4. When trying to understand events that happened in the past, scientists assume that natural laws operate today in the same way as they did in the past.
 - a. I agree with this statement.
 - b. I disagree with this statement.

Explain your answer, using an example from your investigation about the formation of the Hawaiian archipelago.

Formation of Geologic Features

How Can We Explain the Growth of the Hawaiian Archipelago Over the Past 100 Million Years?

5. In science, it is important to define a system under study and then develop a model of the system. Explain why this is important to do, using an example from your investigation about the formation of the Hawaiian archipelago.

6. Scientists often look for patterns as part of their work. Explain why it is important to identify patterns during an investigation, using an example from your investigation about the formation of the Hawaiian archipelago.