

Article-Based Observation, Q

Directions: Answer the following questions based on the *Science News* article "[Kilauea curiosities.](#)"

- 1. Based on your own experience or what you may have seen in the news, do you know of any volcanoes that have erupted recently? What do you know about those eruptions? If you haven't heard of a recent eruption, in what geographic area do you think recent eruptions may have occurred?**
- 2. What surprised scientists about the 2018 Kilauea eruption? Each of the five sections of the article highlights one lesson learned. Summarize each finding in one or two sentences.**
- 3. What are the two geological causes of volcanic activity mentioned in the article?**
- 4. The article explains the pattern and rate of caldera collapse. Describe the collapse pattern. How does the stability of the volcanic system change as the caldera collapses?**
- 5. How much new land did the 2018 lava flows create? Where was that land created?**
- 6. What is happening at Kilauea today? What clues suggest continuing activity?**

7. What vocabulary term in the article was new or unfamiliar to you? Name the term and define it.

8. Based on your reading of the article, what types of scientists are interested in studying volcanic eruptions and why? If you'd like more information about volcano-related jobs, check out the *Science News for Students* article "[Cool Jobs: Getting to know volcanoes.](#)"