

Learning Target: I can describe and explain how constructive and destructive forces help shape Earth.

Constructive & Destructive Forces that Shape Earth Video Notes



1. Constructive forces are processes that \_\_\_\_\_ landforms (deposition, \_\_\_\_\_, volcanic eruptions, floods)

2. Destructive forces are processes that \_\_\_\_\_ landforms (weathering, \_\_\_\_\_, landslides, volcanic eruptions, earthquakes, floods).

3. What is the difference between constructive and destructive forces that shape Earth? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Constructive Forces**

4. Constructive earth processes are \_\_\_\_\_ that \_\_\_\_\_ to the surface of the Earth, and some of them take \_\_\_\_\_ of years to occur.

- What are some examples of landforms that have been created by slow constructive forces? \_\_\_\_\_  
\_\_\_\_\_

5. How were the Hawaiian islands formed? \_\_\_\_\_  
\_\_\_\_\_

6. How are deltas formed? \_\_\_\_\_  
\_\_\_\_\_

7. How are mountains formed? \_\_\_\_\_  
\_\_\_\_\_

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8. Sand dunes are built via \_\_\_\_\_ by the constructive force of \_\_\_\_\_, which shifts rock particles on \_\_\_\_\_ of each other until a \_\_\_\_\_ is formed.
9. With quick constructive force, changes to the Earth take in a matter of \_\_\_\_\_, instead of \_\_\_\_\_ of years.
10. The main quick constructive force is a \_\_\_\_\_. A volcano that erupts \_\_\_\_\_ can send lava and ash shooting out within \_\_\_\_\_. When the lava \_\_\_\_\_, it hardens into new \_\_\_\_\_. This forms new \_\_\_\_\_ masses that become places where organisms can live.

### **Destructive Forces**

11. The two main forces that break down land slowly are \_\_\_\_\_. Weathering is the breaking down of \_\_\_\_\_ due to forces such as \_\_\_\_\_ and \_\_\_\_\_. The pieces of rock are then \_\_\_\_\_ elsewhere through the process of \_\_\_\_\_. Erosion is \_\_\_\_\_ away of land by forces such as \_\_\_\_\_.
12. How were the Grand Canyon and Monument Valley in Arizona formed? \_\_\_\_\_
13. What are two quick constructive forces? \_\_\_\_\_
- A \_\_\_\_\_ will take thousands of feet of Earth and \_\_\_\_\_ it back to the \_\_\_\_\_ floor. Earthquakes can cause the Earth to \_\_\_\_\_, causing \_\_\_\_\_ or other such phenomena.
- Quick destructive forces can also be things like \_\_\_\_\_. Whole mountain sides can \_\_\_\_\_ to the base of a mountain in a matter of \_\_\_\_\_ and deposit soil and other minerals into new areas which leads to \_\_\_\_\_.
14. Deposition is the laying down of \_\_\_\_\_ carried by \_\_\_\_\_, flowing \_\_\_\_\_ the sea or ice. Sediment can be transported as \_\_\_\_\_, sand and mud, or as \_\_\_\_\_ dissolved in water.
15. What are some examples of constructive processes? \_\_\_\_\_
16. What are some examples of destructive processes? \_\_\_\_\_