

**VIDEO WORKSHEET**

NAME \_\_\_\_\_

Go to the link below and access the video Earth Revealed: Program 16 Mass Wasting.

Watch the video and fill in the answers to the questions below.

Mass Wasting : <https://www.learner.org/series/earth-revealed/16-mass-wasting/>

1. The geologic process known as Mass Wasting is defined as the....
  
2. Mass wasting can take many forms and can occur over virtually the entire surface of the Earth. This is due to the fact that \_\_\_\_\_ are the most common of Earth's landforms.
  
3. The two driving forces behind mass wasting are \_\_\_\_\_, which maintains the slopes through uplift and mountain building, and \_\_\_\_\_, which tends to pull the slopes down.
  
4. A number of factors contribute to mass wasting processes by affecting the stability of a slope. From the video, list three examples of how the stability of a slope can be reduced leading to a mass wasting event.
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5. Types of mass wasting vary according to several factors, such as
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6. Which type of mass wasting causes the greatest long-term economic damage?

7. a) In California's Portuguese Bend area, landslides are a major problem affecting homeowners. What have homeowners done in an effort to save their homes?

b) Geologists have also attempted different solutions for trying to stabilize the Portuguese Bend landslide. Removal of groundwater has helped to stabilize the upper portion of the landslide. Why is the lower portion of the slide more difficult to stabilize?

8. a) In 1941, the town of Wrightwood, California was severely damaged by fast-moving mud and debris flows. The area is still threatened by additional mass wasting events. What role does the San Andreas Fault play in the potential for these mass wasting events?

b) What evidence is cited by the geologist to prove that the landslide scar in Wrightwood is still active and thus has the potential for continued sliding?

9. If mass wasting crosses a property line, is it legal for a developer to mitigate both his property as well as the neighboring property?

10. Rank the following mass wasting events in order of their rate of activity with slowest ranked as "1" and most rapid ranked as "5":

Avalanche \_\_\_\_\_

Creep \_\_\_\_\_

Debris flow \_\_\_\_\_

Landslide \_\_\_\_\_

Slump \_\_\_\_\_