

Mass Movement Types

Use the internet to research the following.

1. Describe the process of erosion.
2. Define deposition.
3. Fill out the following table.
 - a. Description: describe what the mass movement type is.
 - b. Relative Speed: Is the movement fast or slow.
 - c. Description of Evidence: If you were walking in the outdoors and noticed that some sort of mass movement has occurred, what would be some evidence or signs that that particular mass movement happened?
 - d. Image Example: Find an image that demonstrates the mass movement type.

Mass Movement Type	Description	Relative speed	Description of evidence that suggests this type of movement occurred.	Image Example
Slump				
Creep				
Slides				
Flows				
Falls				

4. What natural events and human activities can trigger a landslide or avalanche? Name 2 each.
 - a. Man Made (2):
 - b. Natural (2):
5. What force(s) make slides, flows, and slumps move at such great speeds?
6. Compare and contrast a mudflow and a lahar?
7. Discover and describe one method that humans use to prevent mass movement.
8. Describe the most **costly**, non volcanic mass movement event in the US.
9. Describe the most **deadly**, non volcanic mass movement event in the US.

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 - d. Image Example: Find an image that demonstrates the mass movement type.

Mass Movement Type	Description	Relative Speed of mass movement occurred. In other words: If you were walking in the wilderness what are some signs of the mass wasting event?
Slump		
Creep		
Slides		
Flows		
Falls		

4. What natural events and human actions can trigger a landslide or avalanche? Name 2 each.
 - a. Man Made (2)
 - b. Natural (2)
5. What force(s) makes slides, flows, and slumps move at such great speeds?
6. Compare and contrast mudflow and a lahar?
7. Discover and describe one method that humans use to prevent mass movement.
8. Describe the most **costly**, non volcanic mass movement event in the US.
9. Describe the most **deadly**, non volcanic mass movement event in the US.

Teacher Reflection, Insights and Procedures

- I have now included two versions of this assignment. The version with the image column is meant for students and classes using Google Docs. The version without the image column is meant for classes that are just using the computer as a research tool and are not using Google Docs.
- Students will use the internet to learn about mass movement event types and mass movement examples in the USA.
- I allow them to work in partners, but this is definitely something that can be completed solo.
- Students can use my website to find the answers. The website acts as their textbook in my class.
 - <http://EarthScience.xyz/WindIceGravityErosion>
- After they are finished we discuss what they have learned, showing them the videos and pictures found on the website.
- This year I created a shortened URL in which students can go straight to the document instead of going to the website first. [REDACTED]
 - This will allow students the ability to add images if you want to do it online.
- When I am finished with this lesson I show the 2014 Nova video about the Oso mudslide. I skip some of the section and try to fit it into a 55 minute period, but have shown the entire video, depending on what is going on.
 - [REDACTED]
 - Make sure you have tissues. There are some incredible stories both sad and miraculous.

Answer Key

1. Describe the process of erosion.

a.



2. Define deposition.

a.



3. Fill out the following table.

a.

b.

c.

d.



Mass Movement Type	Description	Relative speed	Description of evidence that suggests this type of mass movement occurred.
Slump			

Fall	[Redacted]
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[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]