

Weathering and Mass Wasting processes- Eprep Chapter 7

Overview of the Chapter:

1. Before reading or looking at the chapter, write down what you know about erosional processes – from prior experiences
2. Write down 3 questions of your own that you want to know about how surface features are formed by erosional processes
3. Look through the chapter and find 5 figures that capture your interest and briefly describe your each figure.

Weathering

1. Describe the process of erosion
2. Define the differences between mechanical (physical) and chemical weathering processes
3. Provide at least 2 examples of mechanical weathering and 2 examples of chemical weathering
4. Draw a “typical soil profile” that depicts typical soil horizon types

Mass Wasting Processes

5. How is mass wasting defined
6. What is the most major influence that drives mass wasting processes
7. Define “angle of repose” and how does the angle of repose influence mass wasting processes
8. Identify at least 3 types of “triggers” that may activate mass wasting.
9. Define and put the following mass wasting processes in order of slow to fast movement (rate of movement)

Debris flow	Slump	Rock slide
Earthflow	Lahars	Creep
Solifluction	Landslide	
10. Write an experience you may have had over your years of living with a process of mass wasting

