**Chapter 8**

**Erosional Forces**

**Section 8.1 – Erosion By Gravity**

**Erosion – Process that wears away surface materials and moves them from one place to another**

**4 Agents of Erosion**

1. **Gravity – Most important**
2. **Water**
3. **Wind**
4. **Glaciers**

**Deposition – When agents of erosion drop their sediments as they lose energy**

**Mass Movement – Any type of erosion that happens as gravity moves materials down slope**

**Types of Mass Movements – Caused by Gravity**

1. **Slump**
2. **Creep**
3. **Rockfall/Rockslide**
4. **Mudflow/Landslide**

**Slump**

* **A mass of material slips down a curved surface, leaves a scar**
* **Slow mass movement**

**Creep**

* **Occurs when sediments slowly shift downhill**
* **Slow mass movement**
* **Common in areas of freezing and thawing**
* **Causes poles to lean**

**Rockfalls/Rockslide**

* **Blocks of rock break loose from a steep slope and tumble through the air**
* **Fast mass movement**
* **Common in mountainous areas**

**Mudflow/Landslide**

* **Thick mixture of sediment and water flowing down a slope**
* **Occur in areas with loose sediment**
* **Occur more often after a heavy rain**

**Making Steep Slopes Safe**

* **Plant vegetation**
* **Drainage Pipes or Tiles**
* **Concrete walls or boulders**