**Erosion and Deposition**

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* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** (FORCES) of erosion: **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,** **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **All** have **1** thing in common: they carry sediments \_\_\_\_\_\_\_\_\_\_\_\_\_\_ when they have enough \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** - dropping of sediments

* All agents of erosion **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** their sediments when their energy of motion **\_\_\_\_\_\_\_\_\_\_\_\_.**

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| **Gravity**  Can cause materials to move \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.\*Actually the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| Creep  http://mrescience.com/images/earth/chap_03/chap_03_003.jpg | Happens when sediments slowly creep downhill due to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  Results in - |
| SlumpSlump | Takes place on steep slopes as loose materials \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.   * Doesn’t travel very fast or far. |
| Earthflow/Mudflow | * Dry areas have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ sediments *(due to weathering).* * When heavy rains occur, \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   (*think chocolate pudding consistency*).  Gravity causes it to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Landslide/rockslide | * \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ break loose from steep slopes and fall quickly to the bottom. * Occur in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ areas.   Can happens after \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**All Mass Movements –**

* Are more likely to happen where there is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Depend on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Will occur \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because water adds mass and makes the sediments slippery.
* Cause a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the slope so it becomes less steep.

**Slowing down erosion when land is prone to erosion -**

* People must always battle erosion problems – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Reduced by planting **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_to help hold down \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and absorb \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Slow gravity erosion -\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Wall - Can keep rocks and soil from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Also can be built along \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to reduce erosion caused by flooding, running water, or waves

Water erosion: **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** sediments than any other agent of erosion does.

* WHY? It usually has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Ex. Rill erosion and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Possible solutions* – Retaining walls, **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** (broad steplike cuts made into the side of a slope).

When water flows onto a terrace it \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, has less energy and cannot erode as much.

Wind erosion

* Erodes by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. *Ex. Desert pavement*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: Most common wind deposit and constantly changes as wind erodes them.

* **Slow down erosion** of dunes by allowing sediments \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (ex. Christmas tree or rock).
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ help trap sand. Fences also keep people of dunes.

**What about on tilled farmland?**

* Windbreaks – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_