



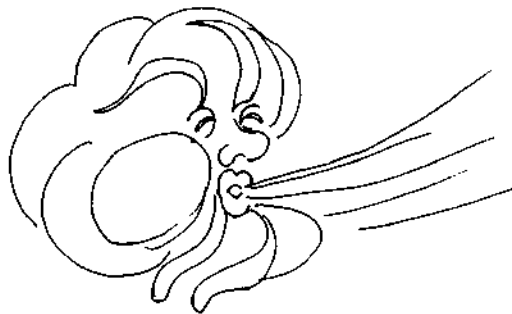
Erosion & Deposition by Wind

**How does wind cause
erosion?**

**What features result from
deposition by wind?**

**Wind causes erosion by 2
process:
deflation and abrasion.**

**Wind is the weakest agent in
shaping the land, but...**



Wind can be powerful in shaping the land in areas where there are few plants to hold the soil in place.



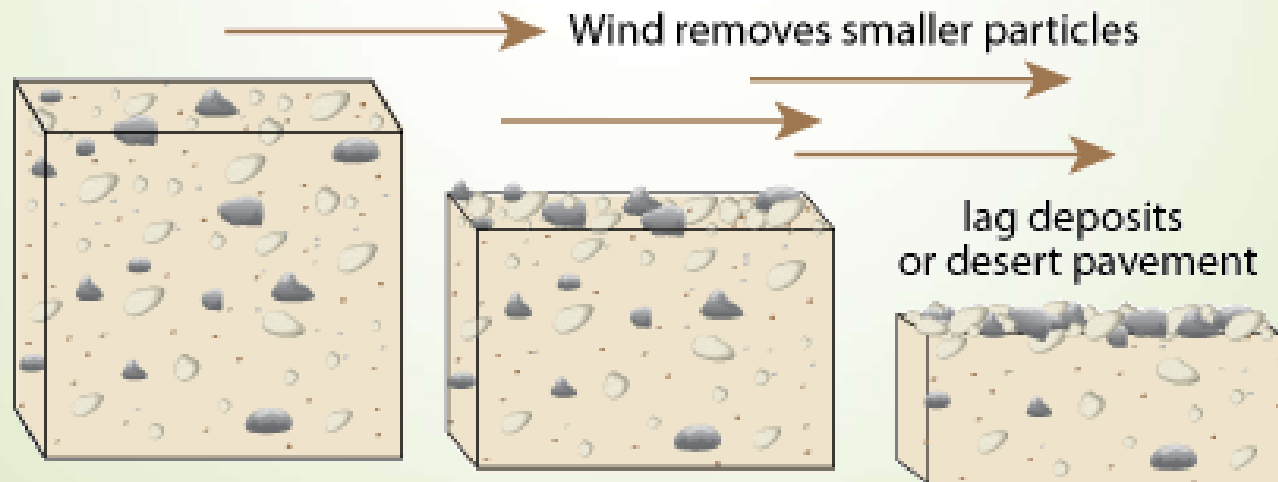
Where is wind erosion found?

- In areas where there are few plants to hold the soil in place, like deserts.



DEFLATION

Wind removes surface materials by picking up small particles of sediment. Heavier particles may skip or bounce.



Abrasion

Wind-blown sand can polish rock, but causes little erosion. It is mainly a form of weathering.





Deposition by wind

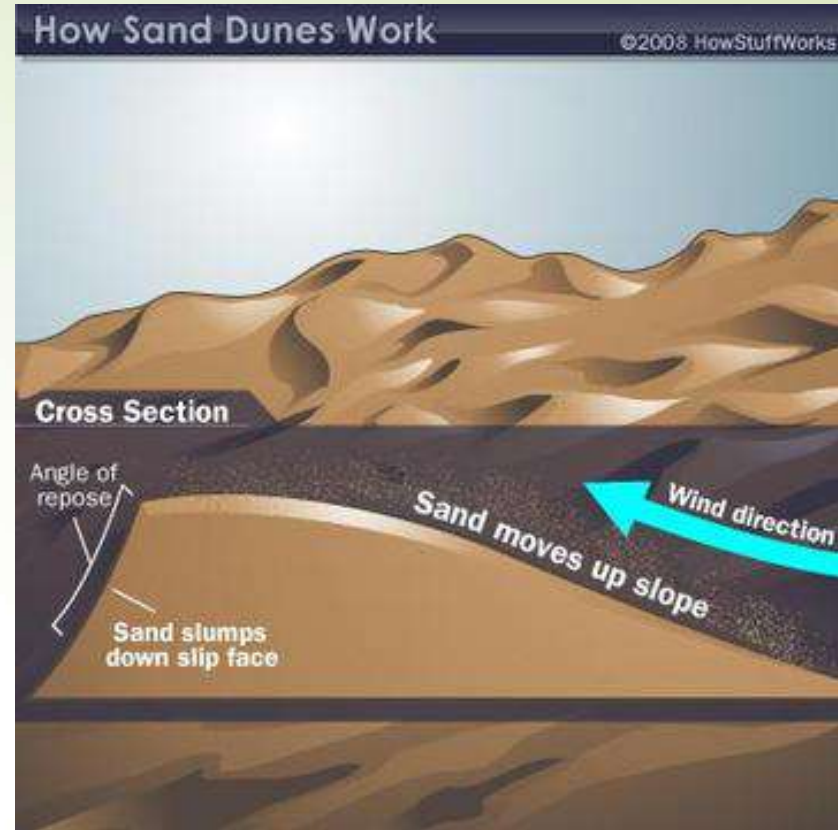
Forms sand dunes and loess deposits

Sediment being blown by wind eventually slows down or hits an obstacle like boulders or a clump of grass where the sediment gets trapped

Sand Dunes

come in many shapes & sizes

little by little, sand shifts from one side of the dune to the other



LOESS DEPOSITS

Sediment finer than sand, such as clay & silt is deposited far from its source

The U.S. has large areas with fertile soil and valuable farmland





Summary Questions:

1. What causes wind to deposit sand or other sediment?

