

WIND EROSION & DEPOSITION

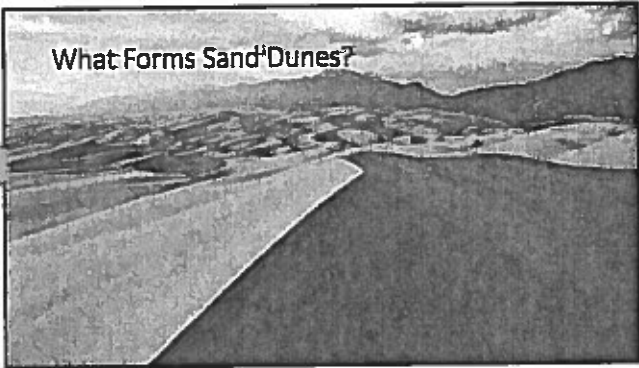
Have you ever seen a desert? In movies or in real life?

What was it like?

Are there any natural landforms that are common in a sandy desert?

Are there any other places you might expect to see these?

Why? What do these places have in common?



What Forms Sand^dDunes?

Where does wind erosion have the most effect?

- Wind is the _____ form of erosion by itself
(What are the others that have a stronger effect?)
- Why does it have such effect in desert areas?
_____ to hold the soil in place
sand _____

How does wind cause erosion?

Wind causes erosion by _____ and _____

- Deflation: removal of _____ materials.
wind picks up _____ particles of sediment
_____ the wind, larger the sediment it can pick up

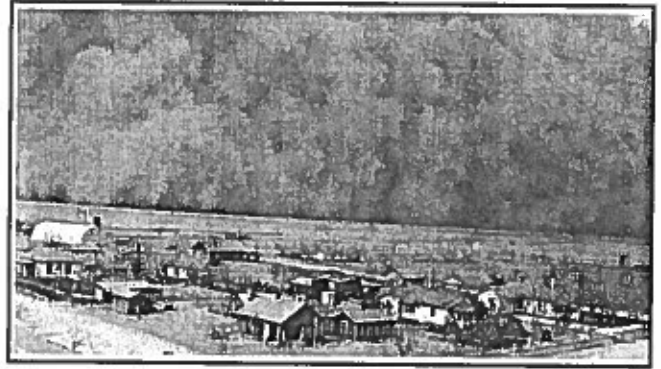
Which particles can move the fastest and farthest?
Which particles take the highest wind speeds to move?



Desert Pavement

- No sand (it's all been blown away)
- Only heavier rocks

Dustbowl 1936—wind deflation caused mass exodus from great plains



How does wind cause erosion?

Wind causes erosion by deflation and abrasion

- Abrasion: wind-carried sand _____ rock
This causes _____ erosion, but still cause some.

Wind Deposition

Sand Dunes:

when wind strikes an _____
 many different shapes (e.g. _____ or _____ shaped)
 many sizes (up to _____ tall in China!)
 move and shift over time as the wind changes

_____ (LES) Deposits:

sediment _____ than sand that wind-deposited
 can be very _____ from it's source (why?)
 helps to form _____