

Name _____

Erosion by Wind and Water - Student Worksheet

The two main vectors (carriers) for erosion are wind and water. In both cases the erosive forces are strongest near the base of the flow.



Materials

- A take away container of dry soil.
- A take away container of wet soil.
- A sod of turf/grass in a take away container.
- Something to raise one end of the containers.
- Two straws.
- A jug of water or drinking water bottle.
- Two student demonstrators.

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Method

1. Set up your containers so that they have a drainage hole at one end and are slightly raised at the other.
2. The demonstrators take turns to blow on the contents of all three containers. This is modeling wind erosion.
3. Note what happened in the table below.
4. The demonstrators trickle water onto the top of the contents of all three containers. This is modeling water erosion.
5. Note what happened in the table below.

Observations

Content of container	Wind erosion	Water erosion
Dry soil		
Wet soil		
Turf		

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Discussion

Which container was most resistant to erosion?

Why did we have two demonstrators instead of just one?

If we found an area suffering from erosion. What would the results of this experiment suggest we should do to make things better?
