

Lesson – Erosion & Deposition

THE FOLLOWING VIDEO HAS BEEN APPROVED FOR
ALL AUDIENCES
BY THE EARTH SCIENCE TEACHERS ASSOCIATION OF AMERICA, INC

THE VIDEO HAS BEEN RATED

1	INTELLIGENT UNDER 15 REQUIRES TEACHER ASSISTANCE
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STRONG EARTH SCIENCE LANGUAGE, DETAILED
DIAGRAMS, AND SUPER AWESOMENESS.

- I can define erosion
- I can name the number one force & number one agent of erosion
- I can define deposition & describe factors causing it
- I can describe how dynamic equilibrium is reached

Erosion

- Sediments are **OBTAINED** & **TRANSPORTED**
- Shapes & lowers Earth's surface

Transporting Sediments

Include:

- 1) **AGENT of EROSION**
-Running Water, Wave, Currents, Glaciers, Wind or Human Activity
- 2) **DRIVING FORCE**
-Gravity or Sun

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Deposition

- The process by which sediments are dropped (put down)
- Precipitation - releasing of dissolved minerals from a water solution

Factors Causing Deposition

Velocity (SPEED)

Size: Large sediments settle first

Shape: the more rounded a sediment the faster it will settle out

- **Density:** The higher the density the faster it will settle out
- **Saturation of Minerals:** If a solution is full it can not hold anymore & the new minerals settle out

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DYNAMIC EQUILIBRIUM

- Rate of EROSION = Rate of DEPOSITION



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