

How could you calculate the rate of sedimentation? (unit rate) ✖

$$0.2 \text{ g/min}$$

In your group come up with a rate of sedimentation using your **class average** data from the investigation.

$$12 \text{ g/hr}$$

$$0.2 \times 60$$

Using your calculation of rate of sedimentation, how long would it take to weather the whole rock?

$$12 \text{ g/hr.}$$

Learning Target I can use evidence from our classroom model to explain how sediments are formed where they end up and how long this process takes.

How much sediment is created after 10 minutes?

What was the starting mass of the source rock?

How long would it take to weather the whole rock?

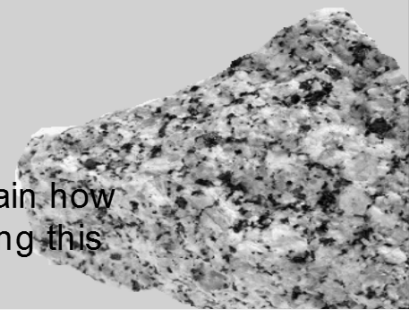
Learning Target I can use evidence from our classroom model to explain how sediments are formed where they end up and how long this process takes.

In our model we used shaking to weather the rocks.



How are rocks weathered in the natural world?

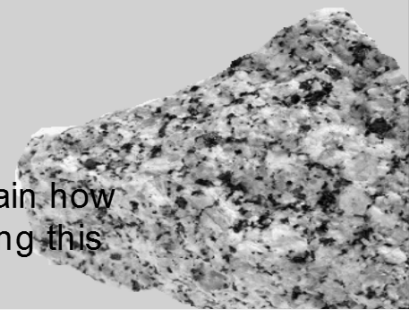
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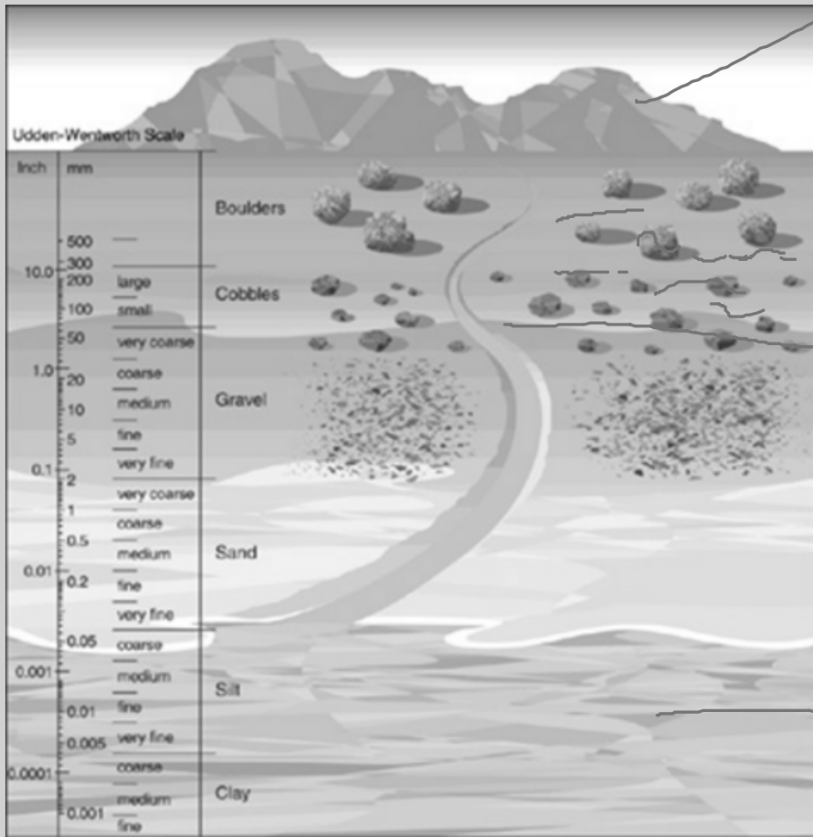


In our model the weathered material was taken from the jar and dumped into the basin.

**In nature what happens to the weathered material and where does it end up?
Discuss this in your groups.**

Learning Target I can use evidence from our classroom model to explain how sediments are formed where they end up and how long this process takes.



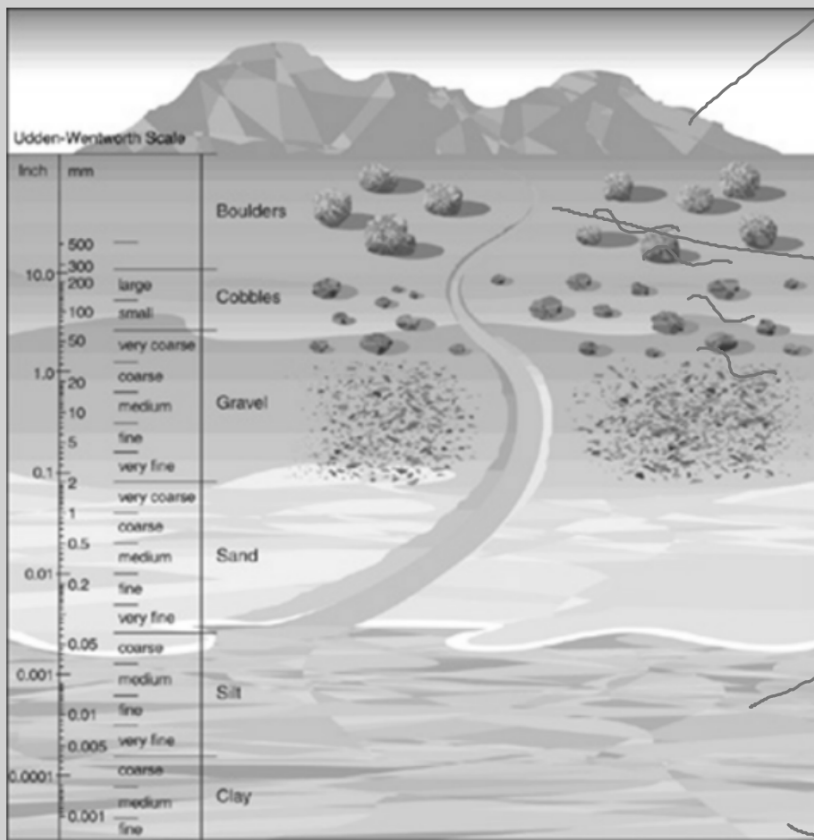


Rocks in the mountains are weathered by - gravity, ice, wind.

Rocks is eroded as it is transported by gravity, wind, water, ice.

Sediment is deposited in a basin forming layers of sedimentary rocks.

Learning Target I can use evidence from our classroom model to explain how sediments are formed where they end up and how long this



Mountains
Rocks are weathered
in the mountains by
- ice, burrowing, gravity
and rain.

Weathered
Material is
carried by wind +
water (erosion).
gravity + glaciers

Sediments are
deposited in a
basin. - In layers.

They compact
and form
sedimentary rock

Learning Target I can use evidence from our classroom model to explain how sediments are formed where they end up and how long this

