

Mechanical vs. Chemical Weathering Lab

Question: How do tablets weather differently when acted upon by MECHANICAL and CHEMICAL weathering?

Hypothesis:

Test:

- 1) Take pictures of the tablets BEFORE the test
- 2) Place one tablet into each canister (10 drops of water canister & rocks canister)
- 3) Place the lid on the rocks canister (*no lid on water canister*)
- 4) Shake rock canister for 20 seconds (*do not shake water canister*)
- 5) Drop 10 drops of water onto water canister (during the same 20 seconds)
- 6) After 20 seconds, pour both tablets out onto paper towel
- 7) Take pictures of the tablets AFTER the test

Results:

Rocks Canister		Water Canister	
Picture BEFORE	AFTER	BEFORE	AFTER

Weathering Lab Conclusions

Conclusions : (COMPLETE SENTENCES)

- 1) What do you think the film canister with the rocks in it represented and WHY?

2) What do you think the film canister with the water in it represented and WHY?

3) What do you think the AlkaSeltzer tablet represented?

4) What happened in the experiment (compare the two tablets)?

5) Why do you think this happened?

6) Explain 2 ideas this experiment tells us about mechanical and chemical weathering:
