

11/26

Erosion Investigation

#7

Agenda

- Design an investigation

Entry Task In your journal:

What events or processes cause the layers of rock to form?

What processes can change those rock layers?

Exit goal

Write up the investigation to the procedure.

Learning

Target:

I can plan an investigation to answer a question.



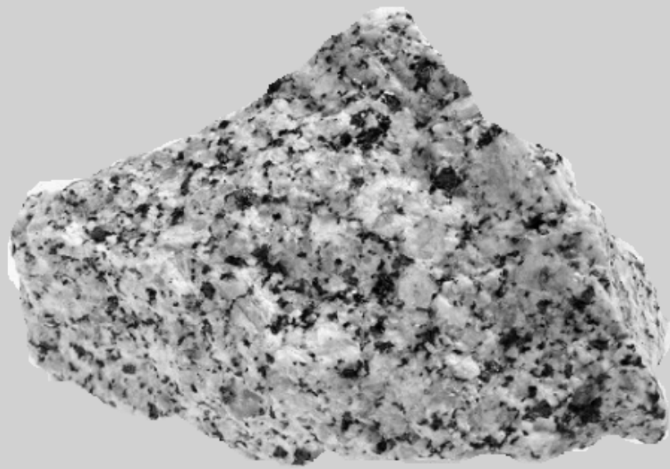
We are going to carry out an investigation to look more closely at process of weathering. We will look at the source rock and the resulting sediments produced. We will try to decide upon a rate of sedimentation!

Learning
Target

I can plan an investigation to answer a question.

Granite:

This rock consists of the minerals quartz and feldspar. It often contains biotite(mica) and hornblende.



Learning
Target

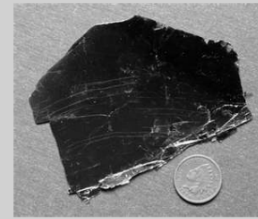
I can plan an investigation to answer a question.



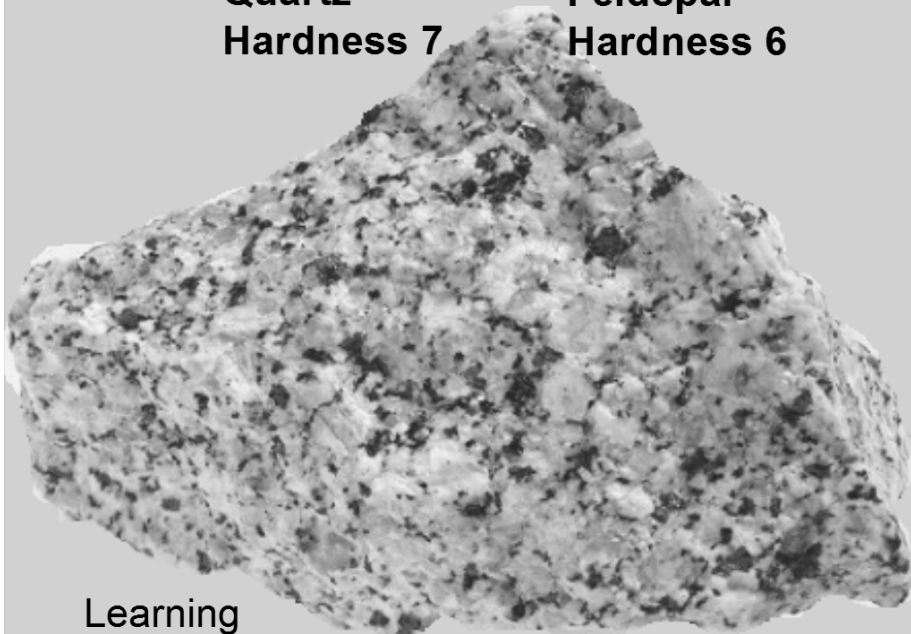
Quartz
Hardness 7



Feldspar
Hardness 6



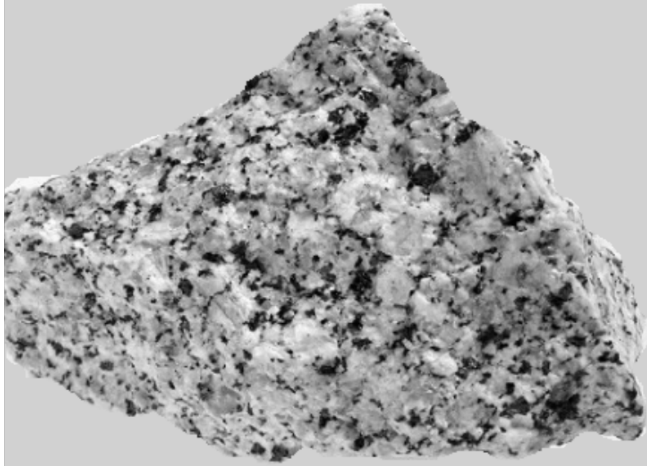
Mica
Hardness 2-2.5



Hornblende
Hardness 5-6

Learning
Target

I can plan an investigation to answer a question.



For this investigation we are using a simple model to test an idea.

We will follow the investigative procedure but our investigation is unusual in that it has 2 responding variables!

Learning
Target

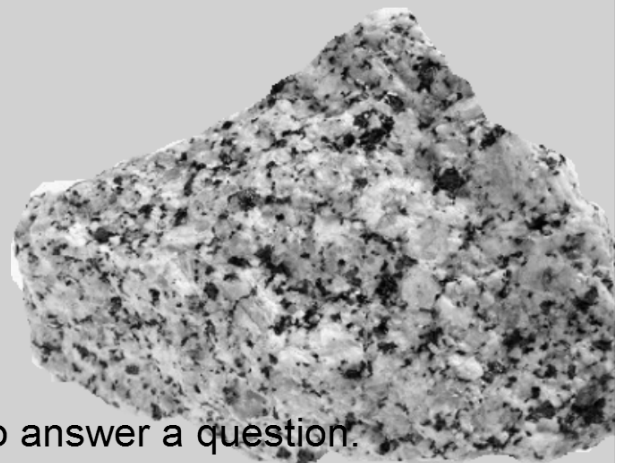
I can plan an investigation to answer a question.

Question

How does weathering time affect the mass of the source rock and the mass of the sediments produced?

Hypothesis

Variables



Learning
Target

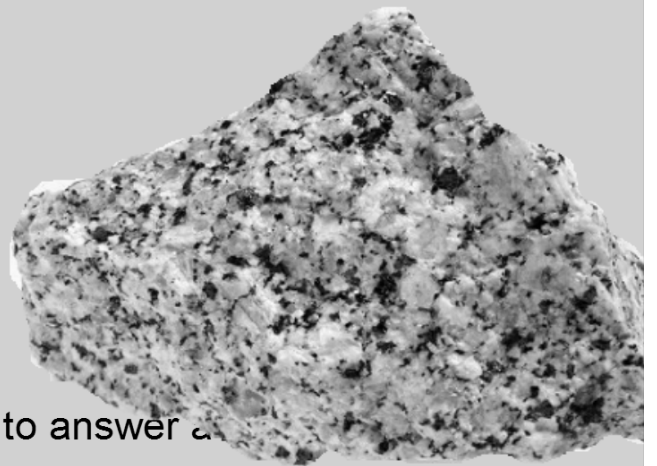
I can plan an investigation to answer a question.

Materials

- 5 pieces of granite
- 1 shaker jar
- 1 timer
- 1 set balances
- 2 petri dishes.



Source rock



Learning
Target

I can plan an investigation to answer a

Procedures

Learning
Target

I can plan an investigation to answer a

