

Tuftedtitmouse12's Rocks & Minerals Practice Test

This test is based off of the 2013 rules and National Rocks and Minerals list. This is a timed test and each slide is 2.5 minutes long. The whole test should take 32.5 minutes. Good luck!

Any questions or comments regarding this test can be emailed to tuftedtitmouse12@gmail.com

Station #1 (2.5 min)



- A. Identify this specimen.
- B. What was the parent/original rock?
- C. What type of rock is the parent rock? (i.e. sedimentary, igneous, metamorphic).

Station #2 (2.5 min)



- A. Identify this specimen.
- B. What is this mineral's crystal structure?
- C. What type of igneous rock is this mineral commonly found in?

Station #3 (2.5 min)



- A. Identify this specimen.
- B. What happened during formation that caused this rock to be vesicular?
- C. Does this float in the water?

Station #4 (2.5 min)



- A. Identify specimen X.
- B. Identify specimen Y.
- C. These two rocks are very similar, but what makes them different?

Station #5 (2.5 min)



A. Identify specimen A.

B. Identify specimen B.

C. Both of these minerals have the same chemical composition. Why do they have such different properties?

D. Explain the difference between cleavage and fracture.

Station #6 (2.5 min)



- A. Identify the specimen.
- B. Name one use for this rock/mineral.
- C. True/False: This specimen contributes to acid rain.
- D. Heating this specimen to extremely high temperatures without air creates what?

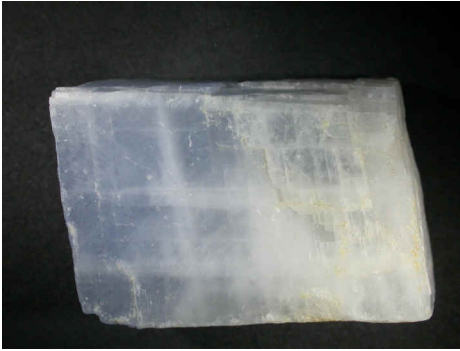
Station #7 (2.5 min)



- A. Identify the specimen.
- B. What is the crystal structure of specimen?
- C. What group does this specimen belong to?
- D. What unique characteristic of this specimen is referenced to by its name?

Station #2.5 (3 min)

A



B



A. Identify specimens A and B.

B. These two specimens are...

- a). polytwins.
- b). the same mineral.
- c). isotopes of each other.
- d). polymorphs.

C. True or False: When exposed to acid, Specimen B will effervesce.

D. Name one economic use of Specimen B.

Station #9 (2.5 min)



A. Identify specimen A and B.

B. If Specimen B was 10 centimeters wide, how many Ångströms wide is it?

C. What type of rock is Specimen A?

- a). Felsic
- b). Metamorphic
- c). Mafic
- d). Clastic

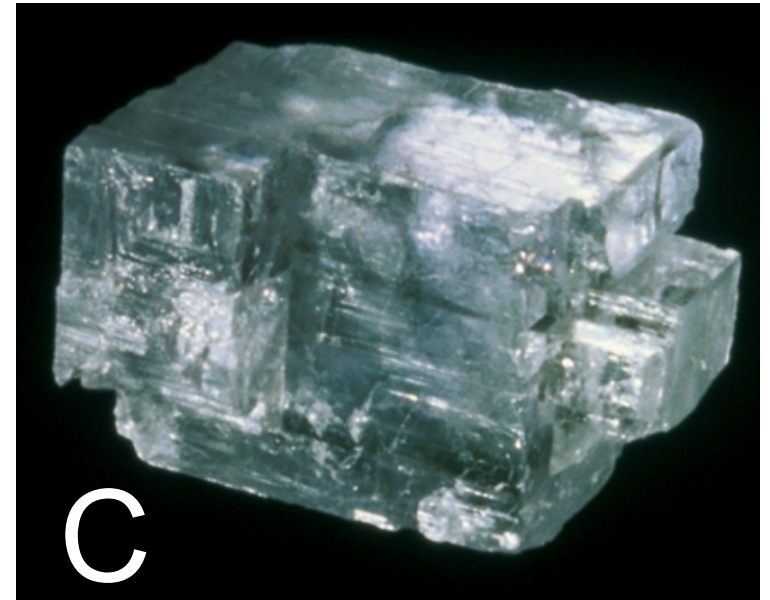
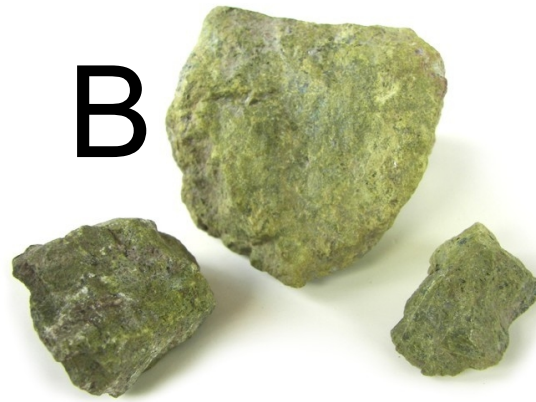
Station #10 (2.5 min)



- A. Identify the specimen.
- B. What is the chemical composition of this specimen?
- C. Name one economic use for this specimen.
- D. What is the history behind the name of this rock/mineral?

Station #11 (2.5 min)

Identify these minerals and number them from softest (1) to hardest (5) according to the Moh's Hardness Scale.



Station #12 (2.5 min)

Identify these 3 specimens and number them in the order of increasing metamorphic grade.



Station #13 (2.5 min)

- A. What mineral was also called “Fool's Gold?”
- B. What is the state mineral of Illinois?
- C. What is the state rock of North Carolina?
- D. What year was the creator of the Moh's Hardness Scale born?
- E. Tell me your favorite rock/mineral and explain why.

The end!

That's it, guys! Have a good day :)