

Assignment 3 - Minerals

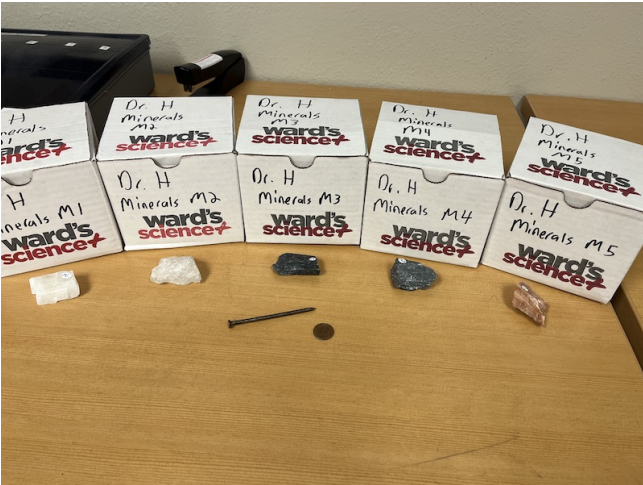
Due Nov 29 at 11:59pm	Points 100	Questions 10	Available Sep 11 at 2:15pm - Nov 29 at 11:59pm
Time Limit None			

Instructions

Questions 1-5 of this assignment require you to visit the GLC and look at the physical properties of minerals. The GLC is located in Fleming 136 and is open M-Th 8:30 am to 7:00 pm and F 8:30 am to 4:30 pm. Sign in using the QR code and ask the TA for the five boxes of minerals for Dr. H. They should look like the image below. Each box contains ten examples of a mineral, a nail, and a penny. The minerals are also labeled.

For questions 6-10, use Google or your favorite search engine.

One attempt, no time limit. Suggested due date is 9/18.



Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	56 minutes	90 out of 100

❗ Correct answers are hidden.

Score for this quiz: **90** out of 100
Submitted Oct 2 at 2:22pm
This attempt took 56 minutes.

Question 1	10 / 10 pts
Box M3: What is the luster of this mineral?	
<input checked="" type="radio"/> non-metallic	
<input type="radio"/> metallic	
Question 2	10 / 10 pts

Box M2: Which of these best describes the cleavage of this mineral?

- ☐ 3 planes not at 90°
- ☐ 3 planes at 90°
- ☐ 2 planes not at 90°
- ☐ 2 planes at 90°
- ☐ 1 plane
- ☒ No cleavage

Incorrect

Question 3

0 / 10 pts

Box M4: Which of these best describes the cleavage of this mineral?

- ☐ 3 planes not at 90°
- ☐ 3 planes at 90°
- ☐ 2 planes not at 90°
- ☐ 2 planes at 90°
- ☒ 1 plane
- ☐ No cleavage

Question 4

10 / 10 pts

Box M1: Which of these best describes the cleavage of this mineral?

- ☒ 3 planes not at 90°
- ☐ 3 planes at 90°
- ☐ 2 planes not at 90°
- ☐ 2 planes at 90°
- ☐ 1 plane
- ☐ No cleavage

Question 5

10 / 10 pts

For which mineral(s) would testing the streak color be used as a diagnostic property to identify the mineral? (select all that apply, no partial credit)

☐ Mineral in Box M1

☐ Mineral in Box M2

☐ Mineral in Box M3

☒ Mineral in Box M4

☐ Mineral in Box M5

Question 6

10 / 10 pts

Which mineral is most commonly used in drywall (sheetrock) for its fire-resistant properties?

Gypsum

Question 7

10 / 10 pts

The mineral malachite is a primary ore of _____.

copper

Question 8

10 / 10 pts

Which mineral below is commonly used in construction material and cement?

☒ Calcite

☐ Muscovite (mica)

☐ Sulfur

☐ Hornblende

☐ Olivine

☐ Magnetite

Question 9**10 / 10 pts**

Which mineral below can be used to make sulfuric acid?

☒ Pyrite

☐ Quartz

☐ Halite

☐ Copper

☐ Calcite

☐ Magnetite

Question 10**10 / 10 pts**

The mineral hematite is a primary ore of _____.

iron

Quiz Score: **90** out of 100