Take Test: HW 3: Minerals

Test Information

Description	Multiple choice questions related to Chapter 3 from your textbook.
Instructions	You have two chances to take answers these questions. All information can be found in your textbook, and has also been covered in lecture. Due by the end of the day, Friday (9/11).
Multiple Attempts	This test allows 2 attempts. This is attempt number 1.
Force Completion	This test can be saved and resumed later.

QUESTION 1

10 points Saved

Which of the following is NOT part of the definition of a mineral?

- ○ Naturally occurring

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- (●) Organic

Question Completion Status:

QUESTION 2 **10 points** Saved

Which of the following mineral properties is based on comparing a mineral's density to that of water?

- ( ) Streak
- ( ) Crystal habit
- ( ) Luster
- (●) Specific gravity

QUESTION 3 **10 points** Saved

Which of the following mineral properties is a description of the color of a mineral when in a powdered form?

- ( ) Specific gravity
- (●) Streak
- ( ) Crystal habit
- ( ) Luster

QUESTION 4 **10 points** Saved

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- [x] Silicates

Question Completion Status:

QUESTION 5

10 points Saved

The mineral calcite ($CaCO_3$) belongs to which class of minerals?

- [ ] Oxides
- [ ] Halides
- [ ] Silicates
- [x] Carbonates

QUESTION 6

10 points Saved

The ratio of silicon to oxygen atoms in silicate minerals depends on _____. (Hint: think about how the silicate minerals are grouped.)

- [ ] The density of the mineral
- [x] How the atoms are shared between silicon-oxygen tetrahedra.
- [ ] The type of rock in which the minerals are found
- [ ] The number of silicon atoms in the mineral

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Charcoal

Question Completion Status:

Granite

QUESTION 8

10 points Saved

The micas (e.g. biotite and muscovite) exhibit what type of silicate structure?

- Independent
- Sheet
- Single chain
- Double chain

QUESTION 9

10 points Saved

Which of the following best describes the term *cleavage*?

- The quality and amount of light reflected from a mineral surface
- A mineral's resistance to abrasion
- The splitting of a mineral along natural planes of weakness
- The characteristic growth pattern or shape of a mineral

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QUESTION 10

10 points Saved

When smashed with a hammer, a mineral sample breaks into smaller cubic pieces. What type of

Question Completion Status:

- Three directional, not at 90°
- Conchoidal fracture
- Two directional, at 90°
- Three directional, not at 90°
- (●) Three directional, at 90°
- One directional

QUESTION 11

10 points Saved

Graphite and diamond are both composed entirely of carbon, but have very different properties. These are examples of _____.

- Euhedrals
- Mineraloids
- Carbonates
- (●) Polymorphs

QUESTION 12

10 points Saved

The way that light is scattered by the surface of a mineral crystal is called

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- ○ Streak
- ◉

Question Completion Status:

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