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Experiment: Minerals: Building Blocks of the Earth (E. Science 9-3-intro)

Purpose: To learn about some of the properties of minerals.

Materials: Science 16 Minerals

Methods & Results: Answer questions as the video plays.

1. What are some modern uses of Earth materials in our cities?

2. What are the four main characteristics of minerals?

- a.
- b.
- c.
- d.

3. What is the smallest unit of minerals?

4. What are the two forms of minerals?

- a.
- b.

5. How do minerals grow using salt as an example?

6. Define the property cleavage?

7. What is the Earth' Lithosphere?

8. What are the most abundant three elements that make up our Earth's crust?

9. Of the Earth's crust how many types of elements make up 98% of the crust?

10. How many oxygen atoms surround a silicon atom in silicates?

11. What is the chemical formula of quartz?

12. Name the type of breaking apart for quartz?

13. Is quartz durable?

14. Is the mineral feldspar more or less durable than quartz?

15. What is the main mineral in limestone?

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16. What elements make up the calcite mineral?
17. What are the carbonates used for?
18. What is the chemical structure of the oxides?
19. What property is unique for magnetite?
20. What is the luster of metal like?
21. What is the chemical make up of sulfates?
22. What are the native elements?
23. What is gold's most celebrated property?
24. What are the uses of gold?
25. What property makes graphite useful?
26. What is the hardest Earth material known?
27. Are minerals nonrenewable?
28. How can we preserve our treasure house of minerals?