

1. From Moh's hardness scale, what is the hardness of quartz?

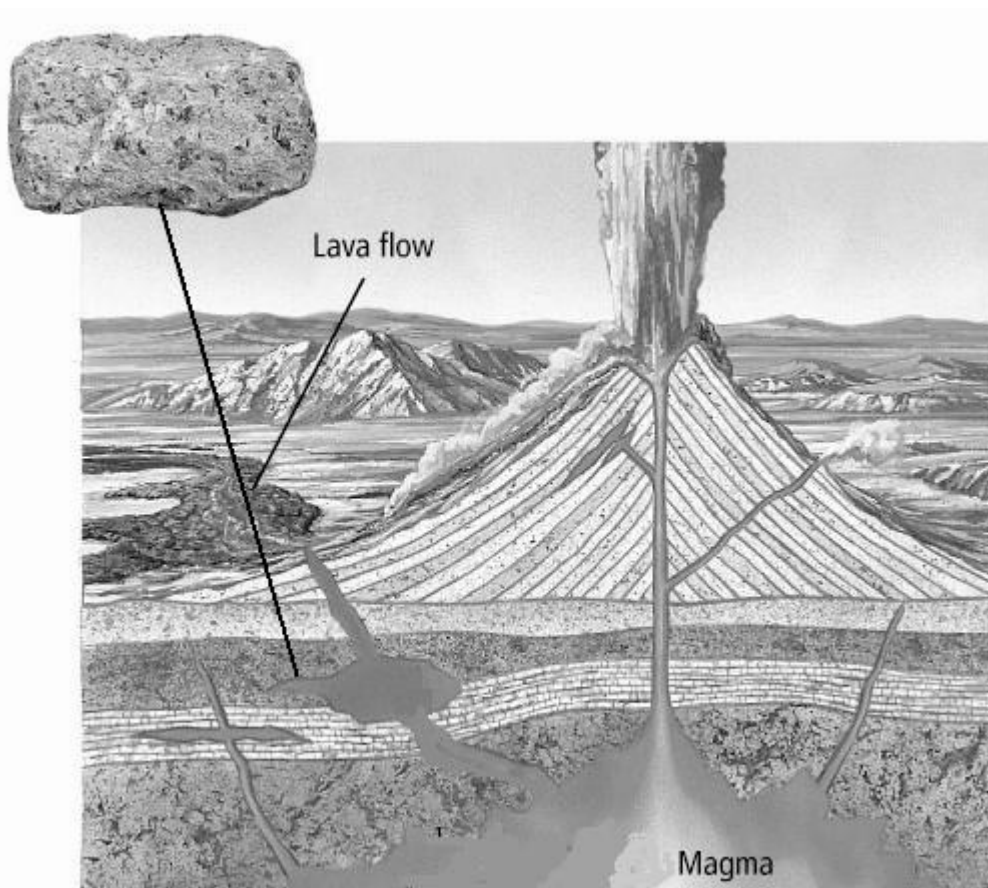
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Mohs' Hardness Scale	
Hardness	Mineral or Ordinary Object
10	Diamond
9	Corundum
8	Topaz
7	Quartz
6.5	Steel file
6	Feldspar
5.5	Glass
5	Apatite
4.5	Iron nail
4	Fluorite
3	Calcite
3	Penny
2.5	Fingernail
2	Gypsum
1	Talc

- A. 2
- B. 7
- C. 9
- D. 4

2. What happens to magma in a volcanic eruption to produce the type of rock shown in the diagram?

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- A. cools slowly
 - B. cools quickly
 - C. melts
 - D. erupts from a volcano
-

3. All minerals are _____.

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- A. made in a lab
 - B. unordered
 - C. naturally occurring
 - D. organic solids
-

4. Why is glass NOT a crystal?

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- A. it is a solid
- B. it is transparent
- C. it is not crystalline
- D. it fractures

5. What are the two most common elements in minerals?

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- A. iron and oxygen
 - B. oxygen and sulfur
 - C. carbon and silicon
 - D. oxygen and silicon
-

6. Which is an example of a mineral with a nonmetallic luster?

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- A. gold
 - B. quartz
 - C. pyrite
 - D. silver
-

7. What determines the cleavage of a mineral?

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- A. shape of its surface
 - B. hardness of the mineral
 - C. density of the mineral
 - D. arrangement of its atoms
-

8. Why are gems valuable?

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- A. They are minerals.
 - B. They are crystals.
 - C. They are rare.
 - D. They are hard.
-

9. Which is an industrial use of diamonds?

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- A. as cutting tools
- B. in lasers

- C. in jewelry
 - D. in watches
-

10. What is caused by the presence of trace elements in a mineral?

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- A. variations in luster
 - B. variations in streak
 - C. variations in color
 - D. variations in hardness
-

11. What name is given to a person who studies minerals?

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- A. rock hound
 - B. physiologist
 - C. mineralogist
 - D. meteorologist
-

12. What do the two identical colors of streak on this plate show?

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- A. The two minerals are not the same.
 - B. The two minerals look different, but may be the same.
 - C. One mineral is harder than the other.
 - D. One mineral has more crystals than the other.
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13. Which best describes a mineral that is classified as an 8 on Moh's hardness scale?

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- A. will not break
 - B. can be scratched with your fingernail
 - C. will scratch glass
 - D. will not shatter
-

14. Gold is often used in industry because it _____.

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- A. has a high density and low durability
 - B. has a low number on Moh's scale
 - C. has a yellow color and metallic luster
 - D. conducts electricity and does not corrode
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15. What is a mineral that is useful enough to be mined for a profit?

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- A. crystal
 - B. gem
 - C. ore
 - D. diamond
-



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