

Identification of Minerals

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CHAPTER

1

Identification of Minerals

Lesson Quiz

Name _____ Class _____ Date _____

Multiple Choice

Circle the letter of the correct choice.

1. If the volume of a mineral is 6 and the mass is 3, what is its density?
 - a. 6
 - b. 3
 - c. 2
 - d. .5
2. The streak of a mineral is
 - a. the same as the color of the mineral
 - b. never the same color of the mineral
 - c. the same even when the same mineral is found in various colors
 - d. either black or white
3. Which of the following is NOT a property used to identify a mineral?
 - a. radioactivity
 - b. cleavage
 - c. reactivity
 - d. number of electrons
4. Mass is
 - a. how much space an object takes up
 - b. the amount of matter in an object
 - c. how much matter takes up a certain amount of space
 - d. the weight of an object
5. What mineral is number 1 on the Mohs Scale?
 - a. talc
 - b. diamond
 - c. topaz
 - d. calcite

True or False

Write true if the statement is true or false if the statement is false.

- _____ 6. The color of a mineral is a more reliable test of its identity than its streak.
- _____ 7. An object with the density of 2 is denser than an object with the mass of 4 and the volume of 1.
- _____ 8. A crystal with six sides that are all the same size has a octahedral structure.
- _____ 9. Topaz is a harder mineral than calcite.

_____ 10. The luster of a mineral its color under ultraviolet light.

Fill in the Blanks

Fill in the blank with the term that best completes the sentence.

11. A mineral will break where the chemical bonds are the _____.
12. When the break of a mineral is regular and has a pattern this is the mineral's _____.
13. The hardest mineral on the Mohs Scale is _____.
14. _____ is the amount of space that an object takes up.
15. Gold and silver have a _____ luster.

Short Answer

Answer each question in the space provided.

16. Describe how to find the density of a mineral, including what information you would need to know and the formula to determine the density.

17. What is cleavage and what is fracture? What are their differences and what are their similarities?