



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 For a substance to be called a mineral it must meet four criteria. Which of the following is **not** part of the **definition of a mineral**? Circle the answer letter.

- a. it is a solid
- b. it has a crystal structure
- c. it is made from organic materials
- d. it is formed in nature



6 The water around a body of **liquid rock** (magma) can get so hot that it can **dissolve metals**. Which **mineral** could have **formed in the hot waters** around a magma body?

- fluorite      topaz
- quartz      copper



2 Mineralogists **categorize** minerals into two distinct groups based on their chemical compositions: **silicates** and **nonsilicates**. Which of the following minerals is a

7 Mineralogists determine the density of a mineral by comparing it to the density of an equal volume of water. The **density of a mineral** is called its \_\_\_\_\_.

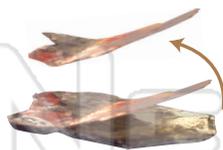


## PREVIEW

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4 **Mica breaks into thin sheets**. This physical feature is called \_\_\_\_\_. Circle the answer.

- cleavage      fracture
- refraction      streak



5 What is the **hardest mineral** in Mohs' hardness scale? Write the answer.

| Mohs' Hardness Scale |            |
|----------------------|------------|
| 1 Talc               | 6 Feldspar |
| 2 Gypsum             | 7 Quartz   |
| 3 Calcite            | 8 Topaz    |
| 4 Fluorite           | 9 Corundum |
| 5 Apatite            | 10 Diamond |

10 **Gemstones** are special minerals that are hard enough to be **polished**, **colorful** enough to catch the eye, and rare enough to be **valuable**. Cross out the mineral that is **not a gemstone**.

- diamond      gypsum
- topaz      ruby



graphite

element used to light





# Minerals - Answer Key

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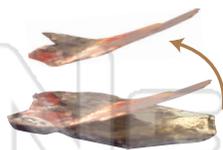


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- aluminum
- beryllium
- germanium
- uranium



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- ruby

