

## Mineral Properties Worksheet

If any of the following statements is a characteristic of a mineral, place a check mark beside it. If it is not, leave it blank.

- 1 \_\_\_\_\_ Made of one or more elements on the periodic table
- 2 \_\_\_\_\_ Is formed by years of compression under the earth's crust
- 3 \_\_\_\_\_ Is formed by cooling after a volcanic eruption
- 4 \_\_\_\_\_ Is a solid
- 5 \_\_\_\_\_ Has a unique crystalline shape
- 6 \_\_\_\_\_ Can be melted easily with a simple campfire
- 7 \_\_\_\_\_ Has luster, a hardness number and specific density
- 8 \_\_\_\_\_ Is usually found on the coastal areas of the United States

We use different tests to identify a mineral. Match each test with its name.

- |                                |  |
|--------------------------------|--|
| 9 _____ Moh's Scale            | A. Relative heaviness of a mineral                         |
| 10 _____ Crystalline Structure | B. Color it leaves when scratched on porcelain             |
| 11 _____ Specific Gravity      | C. How easily it scratches other materials or its hardness |
| 12 _____ Streak                | D. Shape as it grows                                       |
| 13 _____ Luster                | E. Breaks along a plane/line                               |
| 14. _____ Fracture             | F. Appearance  |
| 15. _____ Cleavage             | G. Breaks unevenly or shatters                             |

Take the following list of items and give their hardness on the Moh's scale. You may have to use a text book or the internet to find your answers.

Diamond	A nail	A penny	Talc
Glass	Steel	Amethyst	Topaz