

ROCKS AND MINERALS



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ROCKS & MINERALS

What is the difference between rocks and minerals? The short answer is that minerals are one element or a combination of elements. Rocks, however, have a variety of minerals. Minerals can grow together to create rock formations.

Minerals are solid substances that occur in nature. Minerals can have one element or a combination of elements. There are 4,000 types of minerals, including calcite, gypsum, feldspar, pyrite, quartz, gold, and diamond. About 80 kinds of minerals lie in the earth's crust. 99 percent of the earth's crust minerals include oxygen, silicon, aluminum, iron, calcium, sodium, potassium, and magnesium. The human body has 60 minerals, including iron and copper.

All minerals are solid on earth with normal temperatures. They are not created in a lab, but they develop in nature. Minerals are inorganic because they do not come from plants, animals, or other living matter. Minerals have specific chemical formulas and structures, often with a crystal structure. They are categorized by crystal structure, hardness (Moh's scale), luster, color, streak, fracture, cleavage, and density.

Moh's scale of hardness indicates the ability of minerals to scratch each other. Moh's scale labels the "1" minerals as the softest mineral and a "10" as the hardest. For instance, talc has a 1 on Moh's scale. Diamonds, however, are 10s because they are the hardest minerals.

Luster refers to how a mineral reflects light. Some examples are glassy, metallic, brilliant, and dull.

Streak identifies the mineral's color after rubbing it on a hard surface. Streak refers to the powder residue left behind. Sometimes the streak color is different than the mineral color.

Cleavage indicates how a mineral breaks up. It can break into bits and pieces or even into thin sheets.

The density of a mineral is measured by comparing it to the density of water. Water has a specific gravity of 1.

Color can be a vague category because some minerals have many colors.

Minerals can consist of only one element. However, it's common for minerals to have two or more elements, making it a compound. For instance, fluorite is a compound with calcium and fluorine. A diamond, however, is only

What does limestone change into? *

- Quartzite
- Granulite
- Sandstone
- Marble

What word indicates how a mineral breaks up? *

- Cleavage
- Streaking
- Fragility
- Sartor

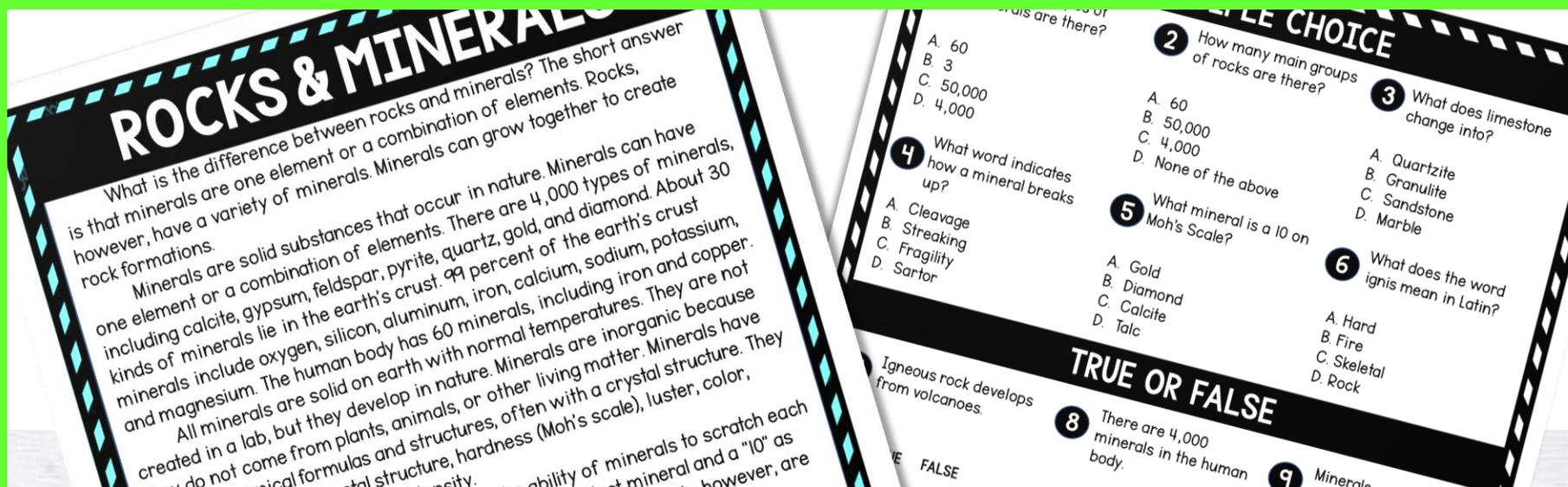
What mineral is a 10 on Moh's Scale? *

- Gold
- Diamond
- Calcite
- Talc

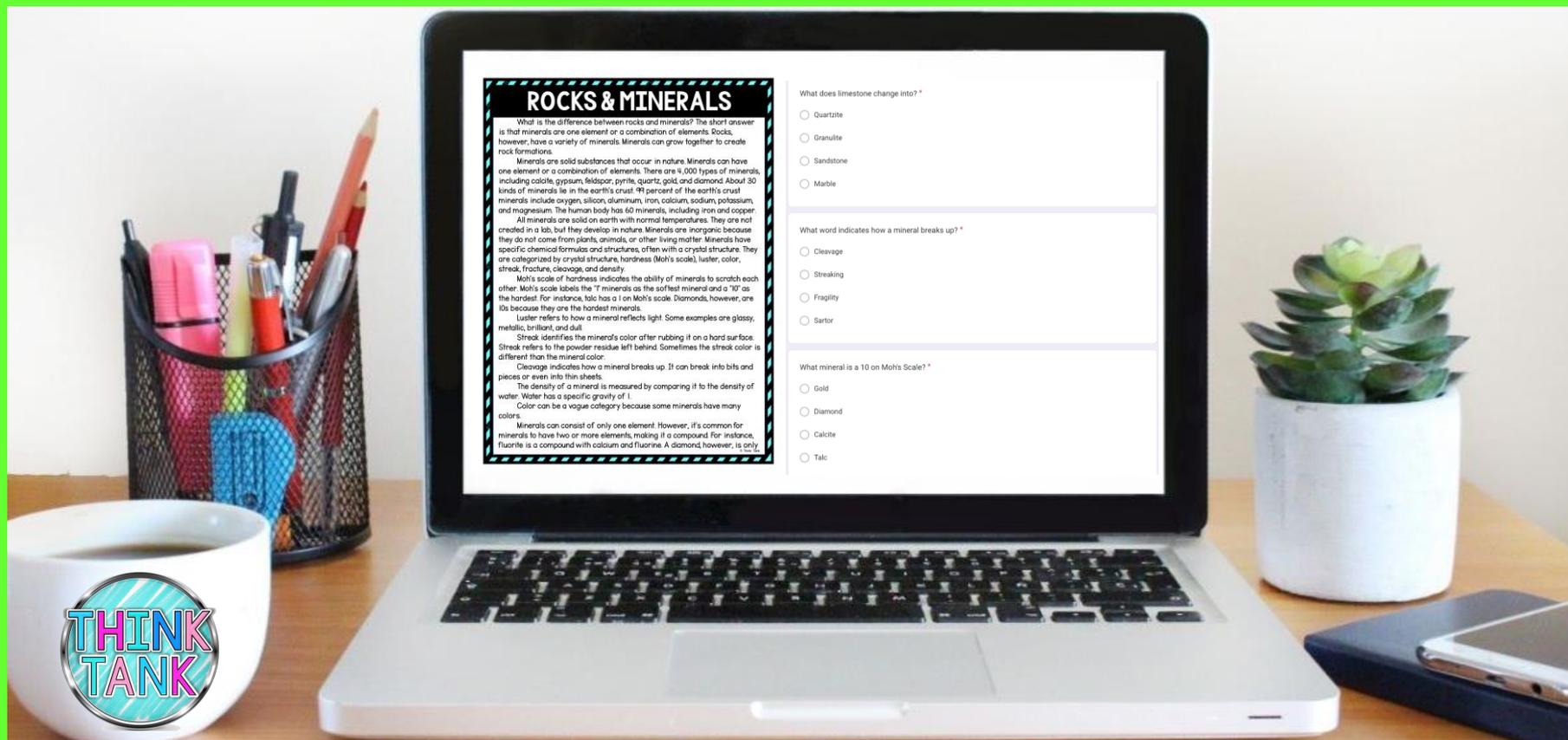


READING PASSAGE

15 QUESTIONS



DIGITAL OR PRINT



INCLUDED

- ✓ READING PASSAGE
- ✓ TEACHER DIRECTIONS
 - ✓ ANSWER KEY
 - ✓ 15 QUESTIONS
 - ✓ SELF-GRADING
- ✓ PRINTABLE VERSION
- ✓ DIGITAL VERSION



QUESTION TYPES

-  **MULTIPLE CHOICE (6)**
-  **TRUE OR FALSE (9)**
-  **EDITABLE QUESTIONS
(FOR DIGITAL VERSION)**

True

False



STUDENTS NEED

✓ ACCESS TO GOOGLE CLASSROOM™
(IF USING THE DIGITAL FORMAT)

✓ GOOGLE™ ACCOUNTS

✓ KNOW HOW TO ZOOM IN AND ZOOM OUT TO
ENLARGE OR SHRINK THE SCREEN

True

False



BENEFITS

- 
- SELF-GRADING**
- 
- IMMEDIATE STUDENT FEEDBACK**
- 
- PAPERLESS**
- 
- NO PREP**
- 
- SAVES YOU TIME**
- 
- COMPREHENSION PRACTICE**



OPTIONS



FRONT-LOADING



GROUP STATIONS



SUB PLANS



UNIT REVIEW



ENRICHMENT ACTIVITY



DIGITAL



PRINTABLE

