

What Minerals and Rocks to We Use?

Name: _____

Date: _____

Minerals and Rocks We Use

- Many minerals and rocks are _____ because they are used in inventions that make life easier.
- Many of these minerals and rocks come from _____.
- An _____ is any solid Earth material that can be mined at a profit.
- These resources are _____.

Metallic Minerals

- Why are many of the ores used in everyday products metallic minerals?
 - For example, gold and silver are two rare but important minerals commonly used to make items of beauty, _____, and electronic devices, such as cell phones, televisions, and computers.
- These two minerals exhibit _____.
- _____ describes a minerals' ability to resist crushing, bending, breaking, or tearing.
- Silver is _____, or able to be flattened by pounding with a hammer.
- It is used to make _____, knives, and forks, and to purify water.
- Gold is _____, meaning it can be stretched into wire.
- _____ is another ductile metal used in wiring and electrical contacts.
- All true _____ are ductile.
- Gold is also used to treat and diagnose some rare _____.
- And, because gold does not react with most other substances on Earth, it is used in _____, fillings, and even some types of braces.
- Gold is used in _____ hardware, such as a memory chip.

Scripture Spotlight

- *What does **Genesis 2:11** say was in the land of Havilah? What else was there according to verse 12?*

Nonmetallic Minerals

- _____ is a nonmetallic mineral with many uses.
- Quartz crystals are sometimes used as _____.
- A _____ is a mineral that is valued for its beauty.
- Gems are used extensively in the _____ industry
- Many of these dazzling gems are found on the _____ and scepters of royalty.
- _____ is another nonmetallic mineral that is probably best known as a precious gem used in making rings and other jewelry.
- However, because of it is the _____ known mineral on Earth, diamond has other important uses.
- _____ used to penetrate Earth's rocky crust are coated with diamonds.
- The mineral _____ is used to make hydrofluoric (HF) acid.
- This acid is rough and is used to etch and polish _____.
- It is used to clean _____ and stone buildings.
- Many cleaning products contain HF acids because it removes _____ and polishes tarnished metals.
- It is also used to make _____, pesticides, and gasoline.
- The mineral feldspar is used to make _____ and other types of ceramic items.
- It is also used in flooring tiles, soaps, cement, concrete, fertilizers, and _____.
- Feldspar commonly weathers to produce _____. Clay minerals can be used to make water pipes, bricks, and many other materials used in construction.

Rocks and Sediment

- Minerals and rocks are used to make many of the products people use in _____ life.

Mount Rushmore

- Carved into the side of a mountain is the Black Hills of North Dakota are the faces of _____ presidents of the United States
 - _____
 - _____
 - _____
 - _____

- This massive sculpture is the work of Gutzon Borglum, who worked on cutting or chiseling the granite of the mountain from _____ through _____.
- The work employed nearly _____ men and women.
- _____ was used on portions of the granite after carefully planned drill holes were made.
- Then jackhammers and _____ were used accomplish the project.

Scripture Spotlight

- *How many rocks are mentioned in **Matthew 16:18**? If you said only one, look again!*