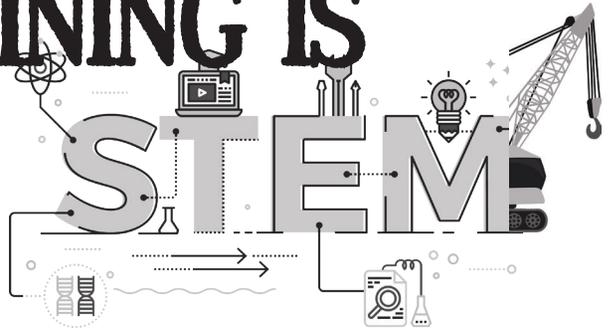


# MINING IS



## TRUE OR FALSE

Question

Missouri's State Capitol is made of Limestone.

True False

The Great Pyramid in Egypt is made of Limestone.

Limestone is used to make paper, glass and paint.



## MAKE YOUR OWN ROCK!

Supplies:

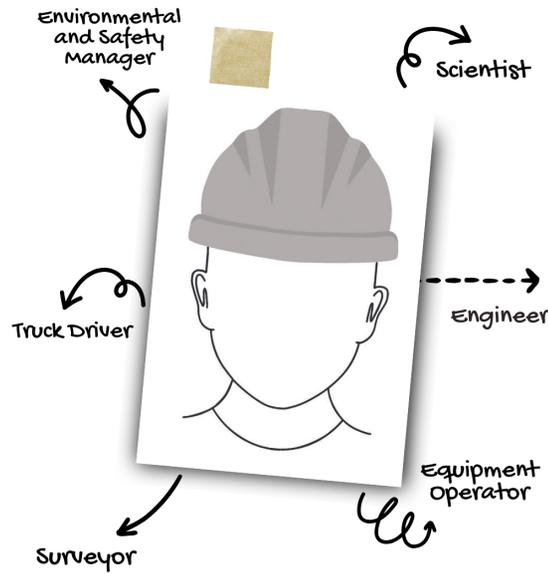
- School glue (water-soluble glue) or Elmer's Glue
- Assorted sediments—clean sand (can be aquarium, craft, any type of sand)
- Gravel (less than 1/2 inch in size)
- "Fossils" (twigs, leaves, sea-shells, plastic dinosaurs, etc.)
- Wax paper
- Molds (small plastic containers, small paper plates or bowls)
- Plastic spoons
- Sedimentary rocks, such as sandstones
- Magnifying glass
- Ruler

Directions:

1. Place a small piece of wax paper at each student's workspace.
2. Allow students to place a few spoonfuls of each sediment and fossil samples on the wax paper.
3. Pour glue over sediments and stir with plastic spoon.
4. Place on a mold or on a paper plate and allow to set.
5. Observe sedimentary rocks and features of the rock created.
6. Discuss how your "rock" and the sedimentary rock are alike or different. Measure rock features.
7. Is there is a "fossil" in your rock? How does wind, water, sand impact the rock formation overtime?

**Rock is COOL: Did you know? Sometimes rocks from space land on Earth, (most of the time falling in the ocean). These rocks are called meteorites. Millions of years ago, rocks were used for many things (like tools). Today we use rocks to build houses, cars and even planes!**

## CAREER CONNECTIONS

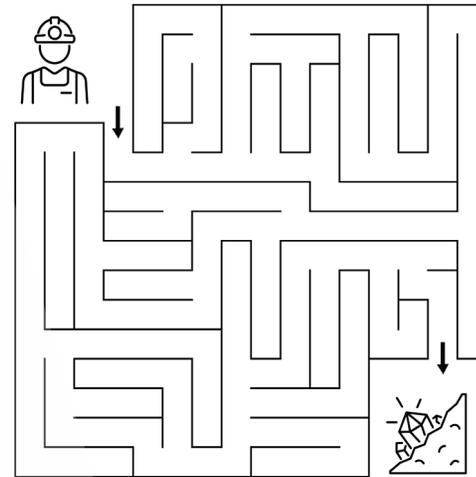
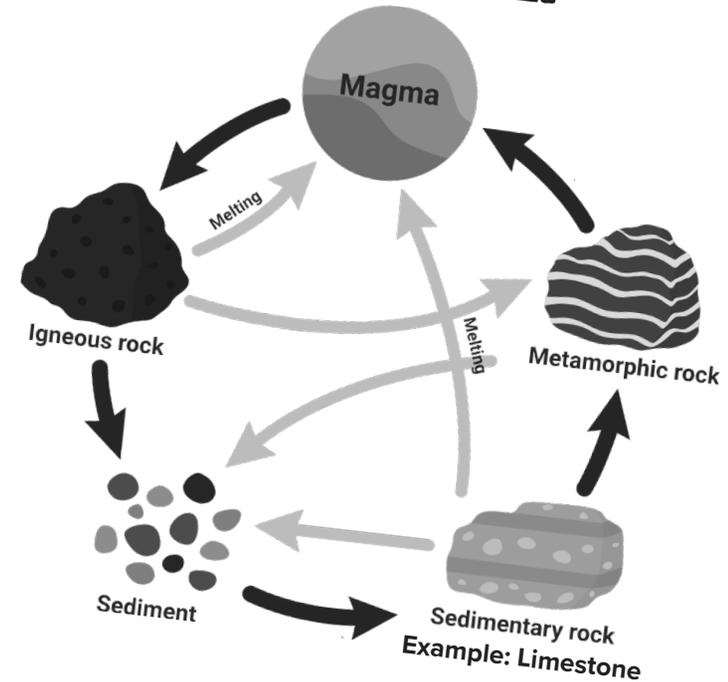


Complete the sentences using the following words: Geologists, Environmental Scientists, Equipment, Rock



1. \_\_\_\_\_, Engineers and Miners work together to explore \_\_\_\_\_.
2. \_\_\_\_\_ Operators help mine rock and haul crushed stone to be used to make highways, bridges, buildings, and more.
3. \_\_\_\_\_ ensure rock is removed in a way that is safe for the environment.

## ROCK LIFE CYCLE



The Missouri Limestone Producer's Association (MPLA) was organized in 1944 to promote the crushed stone operators in Missouri. The Association is involved in legislative issues, regulatory matters, marketing, and education of crushed stone products. Learn more at molimestone.com.