Kid's Corner

Making A Rock In A Cup

There are three types of rocks-igneous, metamorphic, and sedimentary. Each rock is formed through different processes and made up of varying materials.

Igneous rocks are formed through the cooling of melted materials while metamorphic rocks are formed when heat and pressure change other rocks.

Sedimentary rocks are composed of pieces of rocks and minerals and even remains of animals and plants. All of these pieces are compressed and held together by other minerals. Some examples of sedimentary rocks include limestone, sandstone, and coquina.

Problem: How can one create a sedimentary rock? What takes place during the rock cycle?

Materials:

Wax paper
Magnifying glass
Water
Sugar
Gravel
Sand
Spoon
Paper cups

Procedure:

1. Pour a spoonful of sand into a paper cup. Pour another spoonful of gravel into the same cup.

2. Fill another cup with a teaspoon of water. Stir in 5 spoonfuls of sugar until it is dissolved.

3. Pour the sugar water mixture slowly into the cup of sand and gravel until it is moistened. Pour off any excess water.

4. Let the “rock” dry then carefully tear the paper cup off over a piece of wax paper.

5. Let the “rock” sit and harden for at least 2 days.

6. Use a magnifying glass to observe your “rock.” Draw an illustration of what you see. What kind of rock did you make?

MINERAL NAME SCRAMBLE

Here is a list of mineral names. The problem is, the letters are all mixed up.
Can you unscramble the mineral names? Be prepared: there are some tough ones here!

yttmaehs _____

bsoseats _____

eratbi _____

iilvoen _____

tpyire _____

yubr _____

fuuslr _____

ztpoa _____

zciorn _____

tnwueilfe _____

sttbinei _____

nratge _____

upsygu _____

ghpartei _____

letoufri _____

tatipae _____

rdalfeps _____

MINERALS