

Changing Rocks

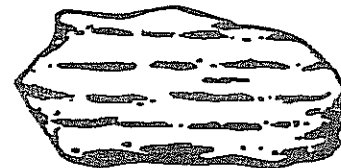
Name _____

With enough pressure and heat, sedimentary and igneous rock can be changed into a new rock. This new kind of rock is called **metamorphic**, which means "changed in form."

There are a number of ways that metamorphic rock can be formed. One way is when rocks that are buried deep under the earth's surface are flattened by the great pressure from above them. An example of this is when granite is changed into gneiss. Look carefully at the pictures. How has the appearance of the granite changed?

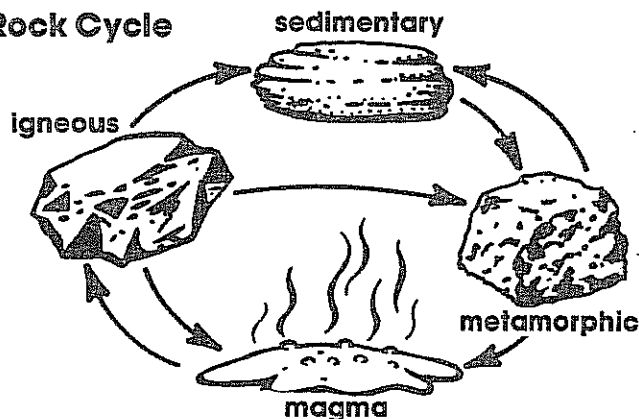


granite



gneiss

Rock Cycle



The changing of rocks is an ongoing cycle. Look closely at the rock cycle diagram. This cycle shows how rock material is mixed and re-used again and again.

Unscramble the terms to show examples of how igneous and sedimentary rocks can change into metamorphic rock.

1. _____ changes _____
H E S A L into T A L E S

2. _____ changes _____
T R I N E G A into S I N E G S

3. _____ changes _____
M O E S T E L N I into B E L M A R

4. _____ changes _____
T E N O S D A N S into Q U I T A Z E T R

- What three types of rock can an igneous rock change into? _____
- What must happen to an igneous rock before it changes into a sedimentary rock? _____

Find Out

Where is metamorphic rock used in your school? home? community?