

4-1 What are rocks?**Lesson Review**

Match each term in Column B with its description in Column A. Write the correct letter in the space provided.

Column A

Column B

- | | |
|--|-------------------|
| _____ 1. rock formed from melted minerals | a. metamorphic |
| _____ 2. grouping of things that are alike | b. petrologist |
| _____ 3. scientist who studies rocks and minerals | c. minerals |
| _____ 4. rock formed when another rock is changed by heat and pressure | d. igneous |
| _____ 5. rock formed from the remains of living things | e. classification |
| _____ 6. substances that make up rocks | f. sedimentary |

4-2 How are igneous rocks formed?**Lesson Review**

In the space provided, write the term that best completes each statement.

- The temperature of the earth becomes _____ as you go deeper into the earth.
- The _____ is the layer of the earth below the crust.
- Melted minerals are called _____ rock.
- When molten rock cools, _____ rocks form.
- Molten rock below the earth's surface is called _____.
- Molten rock can reach the earth's surface through _____ in rocks.
- Magma that pours onto the earth's surface is called _____.
- Lava that cools and hardens becomes _____ rock.

4-4 How are sedimentary rocks formed?

Lesson Review

In the space provided, write the letter of the term or phrase that best completes each statement.

- _____ 1. Each of the following could be a sediment, *except*
a. gravel. b. sand. c. water. d. sea shells.
- _____ 2. Most sedimentary rocks are formed in
a. volcanoes. b. the mantle. c. mountains. d. water.
- _____ 3. One way that sediments become solid rock is when
a. they are mixed with other sediments. b. water mixes with the sediments.
c. sand is mixed with the sediments. d. water and air are squeezed from
between sediment layers.
- _____ 4. Sediments in water often become solid rock when
a. air is added to the sediments. b. minerals cement the sediments together.
c. sand cements the sediments together. d. more sediments are added to the sediments.
- _____ 5. Sea shells become sedimentary rock when they are cemented together by
a. minerals. b. sand. c. limestone. d. water.

4-6 How are metamorphic rocks formed?

Lesson Review

In the space provided, write the term that best completes each statement.

1. When an existing rock is changed by great heat and pressure, a _____
rock is formed.
2. The minerals in rocks undergo a _____ change when the rocks are heated.
3. When temperatures inside the earth go above 800 °C, minerals melt into _____.
4. Pressure is a _____ that pushes against an object.
5. Magma can move between layers of _____ rock.
6. Metamorphic rocks are formed when heat, pressure, or magma changes the
_____ that make up a rock.