SCIENCE CONCEPTS

Fill in the letter of choice that best answers the question

1. Like minerals, rocks have different properties. How are all rocks classified?
   A  by color
   B  by shape
   C  by composition
   D  by the way they formed

2. Koji gives a presentation about the types of rocks found on Earth’s surface. He drew a cross-section of a part of Earth to show his data. He also made a circle graph to help explain the percentages of the different types of surface rocks.

   Based on Koji’s graph, how much of Earth’s surface is made of sedimentary rock?
   A  about 1/4, or 25%
   B  about 1/2, or 50%
   C  about 3/4, or 75%
   D  about 9/10, or 90%
3. Madison finds a rock that is made of small, round pebbles that appear to be glued together. Which of these rocks did Madison likely find?
   A. basalt
   B. marble
   C. rock salt
   D. conglomerate

4. Roberta is learning about the rock cycle. She knows that weathering is one process in this cycle. Which of the following is an example of weathering?
   A. water breaking shale into smaller pieces
   B. pressure changing limestone into marble
   C. magma slowly cooling
   D. lava quickly cooling

5. Different processes result in the formation of different kinds of rock. Which of these rock cycle processes result in granite?
   A. weather and erosion
   B. compaction and cementation
   C. melting of rock and cooling of magma
   D. a volcanic eruption and cooling of lava

Vocabulary review

Match each term in column B with its meaning in column A.

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
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</thead>
<tbody>
<tr>
<td>_____1. A type of rock that forms from melted rock that cools and hardens.</td>
<td>A. Rock</td>
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<tr>
<td>_____2. A type of rock that forms when layers of sediment are pressed together</td>
<td>B. Igneous rock</td>
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<tr>
<td>_____3. A nonliving solid that has a crystal form.</td>
<td>C. Sedimentary rock</td>
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<tr>
<td>_____4. A naturally formed solid made of one or more minerals.</td>
<td>D. Metamorphic rock</td>
</tr>
<tr>
<td>_____5. A type of rock that forms when heat or pressure changes an existing rock.</td>
<td>E. Mineral</td>
</tr>
</tbody>
</table>
APPLY INQUIRY AND REVIEW THE BIG IDEA

Label the rock cycle diagram using the words below:


A. __________________________________________

B. __________________________________________

C. __________________________________________

D. __________________________________________

E. __________________________________________