



ROCKS ROCK Junior Girl Scout Badge*

1. BE A ROCK HOUND!

Start a rock collection at the Treasures of the Earth Gem and Jewelry Show. Ask questions about the different kinds rock, minerals, and fossils.

2. GEO HUNT

No activity at the show.

3. WHAT TYPE IS IT?

Each rock will fall into one of three categories.
Describe the characteristics of the three types of rock.

Igneous _____

Metamorphic _____

Sedimentary _____

Which rocks in your collection are?

Sedimentary _____, _____

Metamorphic _____, _____

Igneous _____, _____

4. SOIL SENSE

Make a list of the different particles that make up soil in this area.

| | |
|-------|-------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

Where do the soil ingredients come from?

Soil in other areas of the country may be different. What are some of these different elements?

5. "GEO" CAREERS

Talk with a geologist or a paleontologist about the different types of training or education they need to do their jobs. What other kind of careers relate to studies of the earth?

6. WIPE OUT EROSION!

No activity at the Gem and Mineral Show.

7. AROUND THE WORLD

Volcanic eruptions have had a tremendous impact on people who live near an active volcano. Attend the Cincinnati Mineral Society's famous volcanic eruption at the show. What causes volcanic eruptions and what happens during eruptions?

8. THE VIEW FROM ABOVE

No activity at the Gem and Mineral Show

9. FOSSIL FUN

How are fossils made?

Find examples of fossils that are:

Impressions _____

Molds _____

Cast _____

What is Virginia's state fossil? _____

Name other common fossils found in the area. _____

10. WEATHERED OR NOT...

No activity at the Gem and Mineral Show.

Girl Scout Troops should do at least one outside activity to earn the Rocks Rock Junior Girl Scout Badge.

For example:

- Requirement #2, girls should search for the geological clues in the community.
- Requirement #8, girls look at satellite photos to locate landmarks.
- Requirement #10, girls look for weather clues on the land.

Date completed _____

Scout's signature _____

Leader's signature _____