



Pathfinder's Name

Rocks and Minerals

1. What is the difference between rocks and minerals?

Rocks _____

Minerals _____

2. Have a collection of at least 15 specimens correctly labeled with collector's name, date, and the locality in which it was found.
3. Define and name two examples each (from specimens or pictures) of:

Igneous _____

Sedimentary _____

Metamorphic _____

4. What is meant by Mohs' scale of hardness?

Name the minerals in order in Mohs' scale.

5. Define the following:

Cleavage _____

Specific gravity _____

Luster _____

Color _____

Streak _____

Texture _____

Crystal _____

6. Name four uses for rocks and four uses for minerals.

	Rocks	Minerals
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____

7. Locate four Bible incidents in which a rock was significant.

1. _____
2. _____
3. _____
4. _____

8. What are the foundation stones of the New Jerusalem?

- | | |
|----------|-----------|
| 1. _____ | 7. _____ |
| 2. _____ | 8. _____ |
| 3. _____ | 9. _____ |
| 4. _____ | 10. _____ |
| 5. _____ | 11. _____ |
| 6. _____ | 12. _____ |

Rocks and Minerals, Advanced

- 1. Have the Rocks and Minerals Honor
- 2. Have a collection of 30 rocks and minerals properly named, 20 of which you have personally collected. Label with collector's name, date and locality in which it was found.

- 3. Know two minerals that belong to each of the following crystal systems:
Isometric 1. _____ 2. _____
Hexagonal 1. _____ 2. _____
Tetragonal 1. _____ 2. _____

- 4. Know Mohs' scale of hardness and the simplified field tests of hardness. By using these field tests, collect a scale range of specimens from your own region to form your own hardness test set.

Moh's Scale _____

- | | |
|----------|-----------|
| 1. _____ | 6. _____ |
| 2. _____ | 7. _____ |
| 3. _____ | 8. _____ |
| 4. _____ | 9. _____ |
| 5. _____ | 10. _____ |

Field tests _____

- 5. Do one of the following:
 - a. Know and tell two different processes by which metals are extracted from ores.
 - 1. _____

 - 2. _____

b. Know eight minerals and tell how each is used.

Minerals

Used

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

❑ 6. Define the following:

Crystalline _____

Cryptocrystalline _____

Breccia _____

Noncrystalline _____

Fibrous fracture _____

Vitreous luster _____

Geode _____

Petrification _____

Stalactite _____

Fluorescence _____

- ❑ 7. What four metals are frequently found in native or free form?
 1. _____
 2. _____
 3. _____
 4. _____

- ❑ 8. Discuss the content of three statements from the writings of Ellen G. White concerning rocks or minerals.
 1. _____

 2. _____

 3. _____
