

Completed (40 possible)	_____
Accuracy of answers (30 possible)	_____
Appropriate grammar (15 possible)	_____
Neatness of record (15 possible)	_____
Total	_____
A = 86-100 points	
B = 71-85 points	
C = 70 points or less	



4-H Geology – Beginner (Grades 3-5)

Record Sheet

Record for Year _____

A completed record sheet is due by the last business day of May to exhibit each project at the fair.
Use any 4-H publications, the internet, the library, or a professional to help you prepare your responses.

The Basics

Name _____ 4-H Club _____

Years in 4-H _____ Grade _____ Years in Project _____

Taking Shape

Provide three examples of the rock types listed below.

Igneous	Metamorphic	Sedimentary

Under certain conditions, each of the three types of rocks can change into a different type of rock. Fill in the blanks.

- Igneous rocks become _____ rocks through increasing heat and pressure.
- Igneous rocks become _____ rocks through decomposition, erosion, weathering, and deposition.
- Metamorphic rocks become _____ rocks through melting and crystallization.
- Metamorphic rocks become _____ rocks through increasing decomposition, erosion, weathering, and deposition.
- Sedimentary rocks become _____ rocks through increasing heat and pressure.
- Sedimentary rocks become _____ rocks through melting and crystallization.

Understanding Geology

What is a mineral? _____

What is a fossil? _____

What was the hardest thing or do you foresee as being the hardest thing about creating your exhibit this year?

What did you like best or think you will like best about creating your exhibit? _____

Digging Deeper

Name three things that you might find fossilized if you went exploring.

1. _____
2. _____
3. _____

Name three tools a geologist might use to study rocks.

1. _____
2. _____
3. _____

Name two companies in our community that need to know something about rocks or the earth.

1. _____
2. _____

Beyond the Rocks

Why is this subject matter important to you? _____

What is one thing you learned or sparked your interest as a result of completing this project? _____

The life skills listed below are widely accepted in the 4-H world nationwide (Hendricks, 1996). Circle the life skills you learned or practiced while working on your exhibit. They will not all apply to your work on this particular project.

- | | | | |
|---------------------|-----------------------|-------------------------|---------------------|
| Resiliency | Nurturing | Community Service | Self-esteem |
| Keeping Records | Relationships | Volunteering | Self-responsibility |
| Wise Use of | Sharing | Leadership | Character |
| Resources | Empathy | Responsible Citizenship | Managing Feelings |
| Planning/Organizing | Concern for Others | Contributions to Group | Self-discipline |
| Goal Setting | Accepting Differences | Effort | Healthy Lifestyle |
| Service Learning | Conflict Resolution | Marketable Skills | Choices |
| Critical Thinking | Social Skills | Teamwork | Stress Management |
| Problem Solving | Cooperation | Self-motivation | Disease Prevention |
| Decision Making | Communication | | Personal Safety |
| Learning to Learn | | | |