

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 Soil & Water Science

Beginner (Grades 3-5) Record Sheet

Record for Year _____

A completed record sheet is due by the last business day of June 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 _____

At the Surface

What is soil erosion? _____

What are two causes of soil erosion?

1. _____
2. _____

What is a floodplain? _____

Draw a diagram of the water cycle in the box below.

Digging Deeper

What is organic matter, and why is it important? _____

What is the role of earthworms in the soil? _____

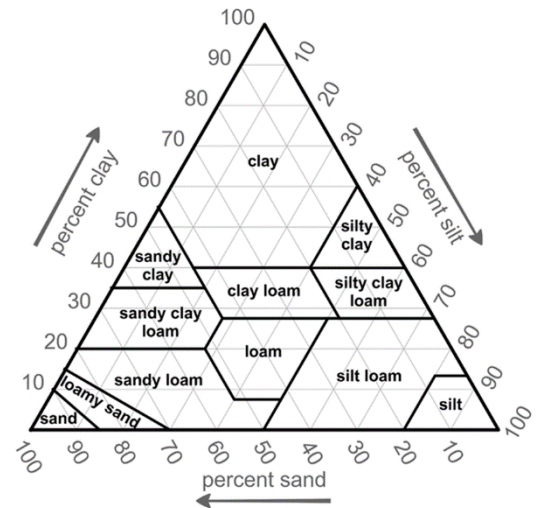
What is parent material as it relates to soils? _____

Soil profiles are made up of "horizons." Match the horizon label (letter) with its correct description.

- A Surface horizon made of fresh decaying residue
- B Topsoil contains humus, roots, and organisms; lacks structure or is granular
- C Subsoil; clays accumulate, structure forms, some roots, and leached materials
- O Parent material from which the soil as made; could be weathered bedrock but not soil yet

Use the soil texture triangle to determine the names of the three soils listed below.

- 40% Clay, 10% Silt, 50% Sand = _____
- 20% Clay, 60% Silt, 20% Sand = _____
- 10% Clay, 30% Silt, 60% Sand = _____



Look at an Indiana watershed map. In which watershed is your home located? _____

Soaking It In

Provide a brief description of your 4-H exhibit or plan for your exhibit.

We do not necessarily care what you spent constructing your exhibit, but it is good for you to understand that things have a cost. Even poster boards are not free. Approximately how much did you spend constructing your exhibit or think you'll spend once it is complete?

- \$0.00-\$5.00 \$5.00-\$15.00 \$15.00-\$30.00 \$30.00-\$50.00 Greater than \$50.00

Preserving What We Have

Name two businesses or companies in or near our community in which individuals work with soil or our natural resources.

1. _____
2. _____

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

In what way does this project apply to your life, or why is this subject matter important to you? _____

