

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

Steuben County 4-H
 SOIL-Beg-21



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 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 _____

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

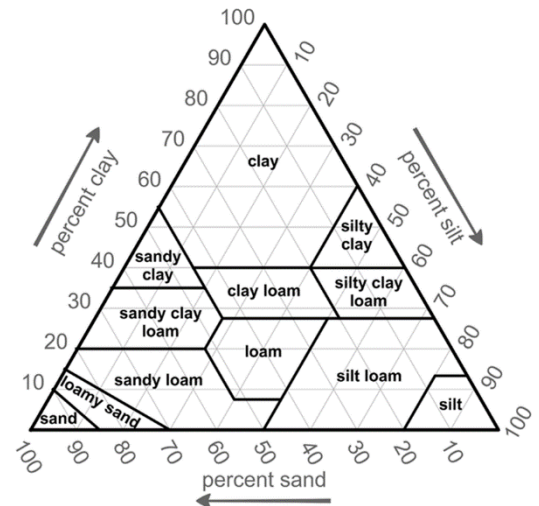
Use the soil texture triangle to determine the names of the three soils listed below.

- 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? _____
