

Soil and Water Conservation Merit Badge Worksheet

Requirement 1

Define what is soil.

Explain how soil is formed.

Explain the importance of soil conservation.

Requirement 2

- Collect and identify various kinds of rocks from which soil is formed.
- Present samples of three classifications of soil: Sand, Silt, and Clay.

Explain their relationship with water.

Sand _____

Silt _____

Clay _____

Explain why soil fertility is important to soil conservation.

- Show why soil fertility is important to soil conservation.

Requirement 3

Demonstrate and explain any three:

- Why organic matter called “humus” is important to soil.

How living organisms like earthworms, play an important role in conserving soil.

Beneficial effects of compost heap when added to soil.

How indiscriminate burning of grass and leaves of trees or plants and “kaingin” cause soil erosion.

Three kinds of soil erosion.

1. _____ Describe _____

Control and Prevention _____

2. _____ Describe _____

Control and Prevention _____

3. _____ Describe _____

Control and Prevention _____

What is a gully (or dongas)? Describe how a gully could be healed.

Requirement 4

Draw the water cycle.

Explain the water cycle.

Explain why a disturbance in the water cycle is a threat to man.

Requirement 5

Show and explain three:

- The importance of water to man

Disastrous effects of water pollution to man

How water is polluted in rivers and streams. What pollution does to fish and wildlife, swimming, water for homes, farms and factories

Three step of water treatment

1. _____
2. _____
3. _____

What is a watershed? How removal of vegetation will affect the way water runs off a watershed.

At least five ways of conserving water.

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