REYS: Restoration Ecology for Young Stewards

How Do Trees Affect Erosion – an experiment

Name: Teacher:

1) Testable Question Below, write the question you are investigating

2) Write a definition of erosion:

3) Variables

a. Write a definition of variable:

b. Variable that is changed (manipulated variable):

c. Variable that is measured (responding variable):

d. Variables that are kept the same (controlled variables):

Question: How do trees affect erosion
4) Prediction: (Make sure that your prediction specifically answers your testable question)

5) Materials:

6) Procedure: Use this space for a labeled diagram to support your procedure

Procedure: (list steps here)

Procedure: (continued)

8) Data (Display your data in a table. Clearly label columns and rows, and provide units of measurement)

9) Write a conclusion for this investigation:

In your conclusion, be sure to:
- Answer the investigative question.
- Include **supporting** data (numbers) from the data table.
- Use <u>explanatory language</u> to show how these data support your conclusion.

Question: How do trees affect erosion?