**Water Erosion and Deposition: Virtual Lab**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_ Date:\_\_\_\_\_\_\_\_

DIRECTIONS: Change the variables in the virtual lab to see how slope, vegetation, and rain intensity affect soil erosion. Record your observations/data in the chart and then complete the claim and evidence statements to explain your findings. You must complete the 4 typed variations and at least 2 others.

NOTE: Runoff means erosion; be sure to compare your results with a similar one to come to a conclusion about the effect of the factors on erosion

**Data/Observations**:

|  |  |  |  |
| --- | --- | --- | --- |
| **Slope:**  **10° or 30°?** | **Vegetation:**  **Yes or No?** | **Rain Intensity:**  **High or Low?** | **Amount of Erosion:**  **High, Moderate, Low & a number** |
| 30**°** | Yes | Low |  |
| 30**°** | Yes | High |  |
| 30**°** | No | Low |  |
| 10**°** | Yes | Low |  |
|  |  |  |  |
|  |  |  |  |
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**Explanation**:

DIRECTIONS: For the claim, identify which factors you think cause more soil erosion. For the evidence, explain what you did that led you to think that (“When there was a no vegetation and 30**°** slope and low rain, I measured…”)

Claim: I think that there is more erosion when \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Evidence: My evidence for this is… \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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