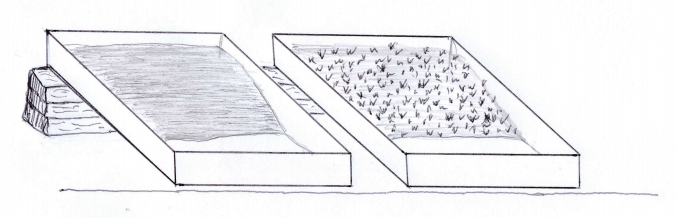
# Observation sheet

The diagram below shows the appearance of both trays before they were rained on.

**SAND NO GRASS SAND WITH GRASS**



**What effect does vegetation have on how soil moves when rain falls on it?**

Complete the table below to describe the appearance of each tray after the rain came.

|  |  |
| --- | --- |
| TRAY | OBSERVATIONS |
| Tray of sand without grass |  |
| Tray of sand covered with grass |  |

In this activity sand is used instead of soil. The water falling from the cup represents rain and the sand in the trays represents soil.

**Soil erosion occurs when moving water washes away soil.**

**Complete the following sentences using words from the box below.**

Grass protects soil from \_\_\_\_\_\_\_\_\_\_\_ in two ways.

1. The grass slows the \_\_\_\_\_\_\_\_ of the raindrops falling \_\_\_\_\_\_\_\_ the sky. This reduces the \_\_\_\_\_\_ of the raindrops hitting the \_\_\_\_\_\_\_.
2. The roots of the \_\_\_\_\_\_\_\_ help to hold the \_\_\_\_\_\_\_\_\_ of soil together, preventing the soil from being \_\_\_\_\_\_\_\_\_ away.

|  |
| --- |
| **grass washed from speed erosion soil force**  **clumps** |