Rain variation in an Ecosystem

**Question:** What is the effect of conifer tree cover versus no cover on the amount of rain that reaches the ground?

**Prediction:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Materials: 8 rain gauges the same kind

Procedure:

1. Place 4 rain gauges under conifer trees at ground level and label trials 1, 2, 3, 4
2. Place 4 rain gauges at ground level in the open and label trials 1, 2, 3, 4
3. After a \_\_\_\_\_days (in which there is rain) measure and record the amounts of rain (cm) in each of the gauges.

Place:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Forest type\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date and time when rain gauges set out:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date and time when rain measured:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type of cover vs amount of rain (inches) | | | | | |
| Type of cover | Amount rain after \_\_ days (inches) | | | | |
|  | Trial 1 | Trial 2 | Trial 3 | Trial 4 | Ave inches of rain |
| Conifer tree cover |  |  |  |  |  |
| No Cover |  |  |  |  |  |