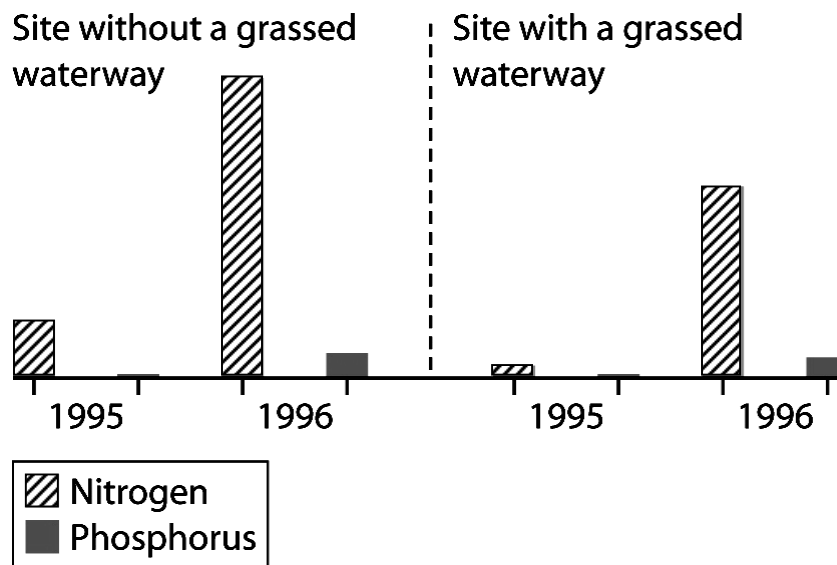


## Thought Lab 2.4: Evaluating Water Treatments

**Purpose:** Analyze data on water quality to evaluate the effectiveness of using grasses to treat agricultural run-off.

Scientists hypothesized that one way to improve water quality in Haynes Creek, and to slow erosion from the creek bed, would be to plant grass in drainage ditches around the creek.

## Nitrogen & phosphorus losses from cultivated fields



## Analysis

1. What effect did the grass “filter” in the creek have on the creek’s water quality?
2. How could the findings of this experiment be applied to prevent farmland run-off from negatively affecting the water quality in nearby streams?