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*Plants vs. Water: A Battle of Soil Erosion*

Many people ask, 'What is erosion? Erosion is the wearing away of rocks, soil, dirt, and sand by wind, rushing water, or glaciers. The purpose of this experiment is to find the best vegetation that will prevent erosion. So, that leads to my question: Which plant out of Alfalfa, Perennial Rye or Tall Fescue would prevent erosion the best? My hypothesis was, 'The Tall Fescue would be the best because the stems are tall and they clump together and would prevent erosion'. However, in my experiment, I found that Alfalfa was the best erosion prevention choice because the root system was long and sturdy. Along the sides of the root there were little roots branching off and would grip the soil, preventing the soil from getting swept away. The second best choice was Tall Fescue. The least efficient choice was the Perennial Rye because it didn't have a sturdy or long root system. From the data I gathered I would recommend Alfalfa for erosion prevention.