Land Management Worksheet

Use this link to practice different land conservation techniques/land management practices: https://bit.ly/2Z6Qt2c

Set up the activity

- First make sure the **Show Erosion** box is checked.
- For your first trial, the **Landscape** should be set to **Plain**.
- Leave **Zone 1** set to **Bare Soil**, in the **Management Plan** section.
- Click on **Zone 2** and change it to **Wheat (conservative tillage)**.
- The **Climate** should be left on **Humid Continental**.
- Click the play button and allow the simulation to run for one calendar year.

Activity

1. Click zoom on the **Erosion Rates** graph.
   - What do you notice while looking at the Erosion Rates graph?

2. Click zoom on the **Amount of Topsoil in Zone** graph.
   - What do you notice about the amount of topsoil between these two zones? What do you think is creating this difference?

3. Reset the simulation. You can choose any landscape, management plan, and climate to produce the largest amount of topsoil conservation possible in a calendar year. Make sure to take a screenshot of your final design.
   - After taking a screenshot for one calendar year, run your same design for another calendar year. What similarities and differences do you notice?