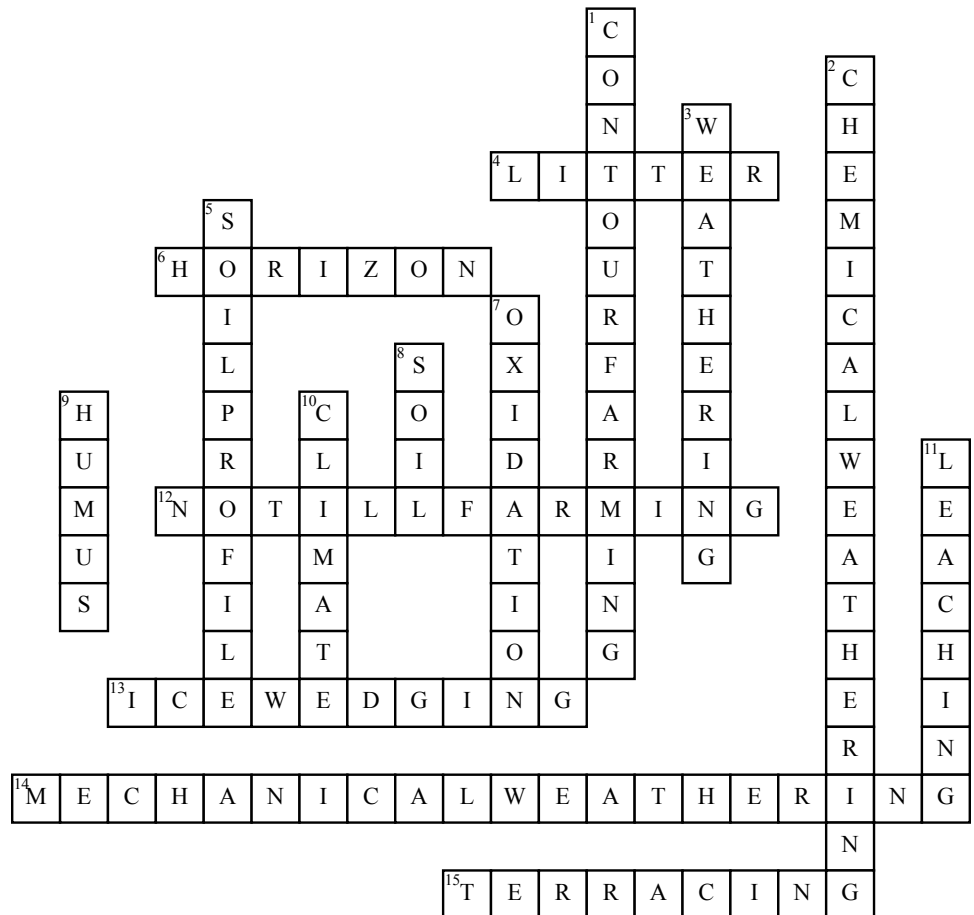


Soil Crossword



Across

4. twigs, leaves, and other organic matter that helps prevent erosion and hold water and may eventually change into humus by decomposing organisms

6. each layer in a soil profile (O, A, B, C)

12. method for reducing soil erosion; plant stalks are left in the field after harvesting and the next year's crop is planted within the stalks without plowing

13. mechanical weathering process that occurs when water freezes in the cracks of rocks and expands, causing the rock to break apart

14. physical processes that break apart rock without changing its chemical makeup; can be caused by ice wedging, animals, or plant roots

15. farming method used to reduce erosion on steep slopes

Down

1. planting along the natural contours of the land to reduce soil erosion

2. Occurs when chemical reactions dissolve the minerals in rocks or change them into different minerals

3. mechanical or chemical surfaces processes that break into smaller and smaller pieces

5. vertical section of soil layers, each within is a horizon

7. chemical weathering process that occurs when some minerals are exposed to oxygen and water over time

8. mixture of weathered rock and mineral fragments, decayed organic matter, water, and air that can take thousands of years to develop

9. dark-colored, decayed organic matter that supplies nutrients to plants and is found mainly in topsoil

10. Average weather pattern in an area over a long period of time; can be classified by temperature, humidity, precipitation, and vegetation.

11. removal of minerals that have been dissolved in water