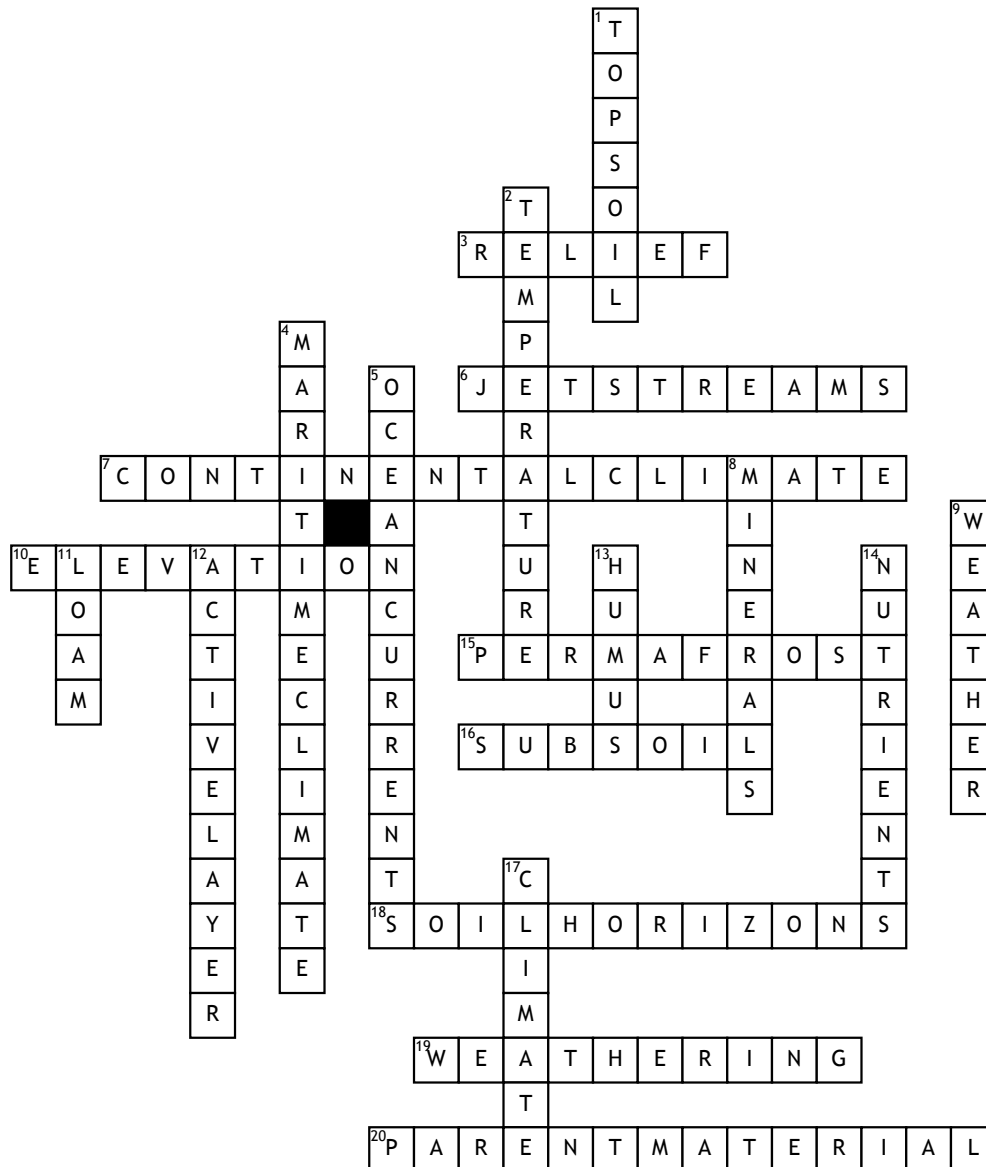


Climate, Soil & Vegetation



Across

3. Refers to differences in elevation of the earth's surface.
 6. Fast moving currents of air high above the Earth. They move eastward at altitudes from 8-15 km.
 7. Type of climate away from water, with hot summers and cold winters.
 10. The height above sea level.
 11. Is found in the tundra or Arctic region. It is the soil or rock that remains frozen all year round.
 16. Found in B Horizon: combined mineral and organic material (more sandy/rocky), light brown.
 18. Layers of soil, each with its unique combination of nutrients, organic material or parent material.

19. Rocks and soil are broken down by process such as dissolving and freeze thaw cycle.

20. Horizon C- Minerals and rock only. It is the broken bits lying on solid bedrock.

Down

1. Found in the A Horizon, dark brown, rich in organic material.
 2. Degree of heat in atmosphere.
 4. Type of climate that is near water, with warm winters and cool summers.
 5. An underwater 'river' that circulates through the ocean. There are three main currents in the world.
 8. Nutrients dissolved from parent material (bedrock/rocks) needed for plant growth: calcium, phosphorous and potassium are examples.

9. The day to day conditions of the atmosphere.

11. A well balanced mix of clay, sand and soil that is perfect for plants.

12. The top 5 to 10 cm of permafrost that does thaw for a period.

13. Decaying organic materials create this, which provides nutrients and moisture for plants.

14. Minerals and other from groundwater and soil.

17. The weather conditions of a place averaged over a long period of time (25-30yrs) A long term pattern of weather.