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soil conservation

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| **Across**  **6.** The chemical and physical process that can break down at Earth's surface  **8.** Anything in the environment that humans use.  **10.** The type of weathering in which rock is physically broken into smaller pieces.  **13.** The area of the Great Plains where wind erosion caused soil loss during the 1930's.  **14.** Dark colored organic material in soil.  **15.** The loose layer of dead plant leaves and stems on the surface of the soil.  **16.** Soil organism that breaks down the remains of organisms and digets them.  **18.** The layer of soil beneath the top soil that contains mostly clay and other minerals.  **19.** The layer of soil that differs in color and texture from layers above or below it  **21.** The geologic principle that the same geologic process that operate today, operated in the past to change Earth's surface.  **24.** The managment of soil to prevent it's destruction.  **25.** The process that breaks down rock through chemical changes.  **26.** The planting of diffrent crops in a field each year to maintain the soils fertility | **Down**  **1.** Characteristics of a material that is full of tiny, connected air spaces that water can seep through.  **2.** Process that splits rock when water seeps into cracks, then freezes and expands.  **3.** The solid layer of rock beneath the soil.  **4.** The loose, weathered material on Earth's surface in which plants can grow.  **5.** Soil conservation method in which the dead stalks from previos year's crop are left in the ground to hold the soil in place.  **7.** Plowing fields along the curves of a slope to prevent soil loss.  **9.** A measure of how well soil supports plant growth.  **11.** The grinding away of rock by other rock particles carried in water, ice, or wind.  **12.** Mixture of humans, clay, and other minerals that forms the crumbly, top most layer of soil.  **17.** The process by which water, ice, wind, or gravity moves weathered rock or soil.  **20.** Rich, fertile soil that is made up of about equal parts of clay, sand, and silt.  **22.** A thick mass of grass roots and soil.  **23.** A chemical change in which a substance combines with oxygen, as when iron oxides, forming rust. |