

Feb 9-9:14 AM

Section 2 Stream and River Deposits

Describe the four different types of stream deposits. Describe how the deposition of sediment affects the land.

Deposition of Water

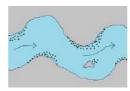
Deposition a process where materials are laid down or dropped

sediments - soil and rock

4 Types of Stream Deposits

Placer Deposits

heavy minerals are deposited at places in a river where the current slows down



deposits made in a fan-shaped pattern as the current slows to empty into a large body of water



Alluvial fans

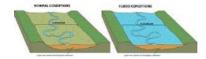
fan-shaped deposit that forms on dry land from a quick change in elevation



Floodplain

occurs along a river that forms from sediments deposited when the river overflows its banks

each time it floods a new layer of sediment is deposited



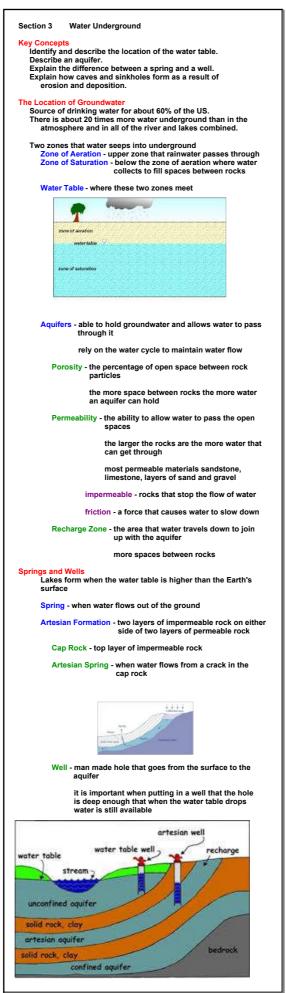
How to control water flow?

Dam

redirects the flow of water

build up of sediment to help keep river inside

Directed Reading - Stream and River Deposits



Feb 18-10:03 AM

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y Concepts
Identify two forms of water pollution.
Explain how the properties of water influence the health of a water system.

- The two wavs that wastewater can be treated.
    Describe how water is used and how water can be conserved in industry, in agriculture, and at home.
https://www.youtube.com/watch?v=RMyCcWECbNE
You are hiking, you realize your canteen is almost empty. What do
    Only 3% of Earth's water is drinkable.
Of the 3%, 75% is frozen in the polar icecaps.
        introduction of harmful substances into the environment
        Point-source pollution
             pollution that come from a specific site
        Nonpoint-source pollution
             pollution that comes from many sources
             fertilizers, eroded soils, drainage, runoff
        Thermal pollution
             increasing the temperature of the water which causes a decrease in the oxygen in the water
What type of pollution is the hardest to control?
    nonpoint
Health of a Water System
    The quality of water affects your life. Good water helps with good health.
    Properties of Water
Dissolved Oxygen
            oxygen that is dissolved in the water 
used by fish and other organisms 
sewage, fertilizer runoff, animal wastes, temperature 
changes 
cold water holds more oxygen than warm water
             naturally occurring compounds of nitrogen and oxygen nitrates come from animal wastes or fertilizers
         Alkalinity
             water's ability to neutralize acid
             acid rain and other acid wastes harm water life
             higher alkalinity can protect organisms from life
Cleaning Polluted Water
        wage Treatment Plant
a facility that cleans the waste materials from water that
             comes from sewers or drains
        takes care of city water
        Primary Treatment
             steps to clean water
                 dirty water is passed through a large screen to catch
                     solid objects
                 water transferred to a large tank
sludge (small particles) sink to the bottom
                 floating oils and scum are skimmed of the surface sent to secondary treatment
        Secondary Treatment
                 water is sent to an aeration tank - mixed with oxygen
                 and bacteria
bacteria feed on wastes and use the oxygen
                 water sent to a settling tank chlorine is added to disinfect the water
                 water released
        tank that separates solid waste from liquids has bacteria that breaks down the solid waste
         households
         water is distributed to soak into the ground
    1876 does the water gor,
60% is used by bathing, toilet flushing, and laundry
32% is used by lawn watering, car washing, pool maintenance
8% is used by drinking, cooking, washing dishes, running
a garbage disposal
    19% of water used in the world is used by industrial purposes
How can we conserve water?
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