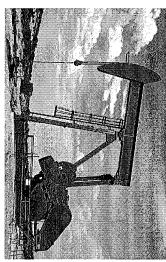
How Are Resources Formed?

The formation of resources influences where resources are located. By understanding the conditions needed to form a resources, it is can be possible to predict where resources are located or available.

Ways Some Resources Are Formed



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Oil was formed from the remains of animals and plants (diatoms) or "oil from the earth." word "petroleum" means "rock oil" into what we today call crude oil. The these layers helped the remains turn sand and silt. Heat and pressure from plants were covered by layers of the remains of these animals and the dinosaurs. Over millions of years, marine (water) environment before that lived millions of years ago in a

rock composed mostly of carbon and hydrocarbons. It is the most brownish-black sedimentary the United States. abundant fossil fuel produced in Coal is a combustible black or

partly covered with swampy forests. of years ago, when the Earth was plants that lived hundreds of millions comes from the energy stored by years to create. The energy in coal source because it takes millions of Coal is a non-renewable energy

For millions of years, a layer of dead

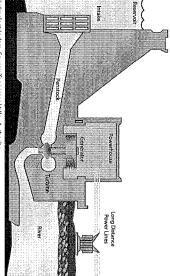


we today call coal. plants at the bottom of the swamps was covered by layers of water and dirt, trapping the energy of the dead plants. The heat and pressure from the top layers helped the plant remains turn into what

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a big river, like the Columbia

energy in moving water is

pelectric dam. Source: Tennessee Valley Authority

has lots of energy in its flow. from a very high point, like Water descending rapidly Washington, carries a great

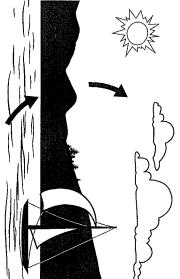
Niagara Falls in New York, also

deal of energy in its flow. between Oregon and River that forms the border fall. Swiftly flowing water in determined by its flow or The amount of available Hydropower

in a turbine to spin a generator to produce electricity. In a run-of-the-river system, the force of the In either instance, the water flows through a pipe, or penstock, then pushes against and turns blades created by dams, then released as needed to generate electricity. current applies the needed pressure, while in a storage system, water is accumulated in reservoirs

wind cycle. of very different types of surface by the Sun. Because the Earth's surface is made be found in the daily the Sun's heat at different It is caused by the uneven Wind is simply air in motion this uneven heating can rates. One example of land and water, it absorbs heating of the Earth's

above the land heats up During the day, the air



Based on an image from the National Energy Education Develo

cooler air rushes in to take its place, creating wind. At night, the winds are reversed because the air cools more rapidly over land than over water. more quickly than the air over water. The warm air over the land expands and rises, and the heavier,

Earth's equator is heated more by the sun than the land near the North and South Poles. In the same way, the atmospheric winds that circle the Earth are created because the land near the