

For most Americans, oil comes from a gas station, which is where the typically purchase oil to lubricate their car engines. To power those engines, they also buy gasoline made from oil. In some regions of the United States, people also heat their homes by burning oil. The oil that Americans burn in their cars and homes took a long time to form, and more often than not, that oil has traveled a very long distance to read this country.

Oil Was Formed Millions of Years Ago The oil that is pumped out of the ground today was formed a very long time ago. It began as tim plants and animals that lived and died in the oceans. After they died these creatures sank to the ocean floor. Over time, most of their remain were transformed into rock. Layer after layer of rock was formed in the manner. However, some of these plant and animal remains did not tur into rock. The weight of the water, heat from Earth's core, and chemic changes combined to transform some of the remains of these creature into oil and natural gas.

Over time, the oil and natural gas seeped into pores, or tiny hole within the layers of rock. These pores may be too small to see, but the are large enough to hold oil and gas, in much the same way that a spor holds water.

At times, some of this oil or gas has risen to Earth's surface. However, most of it remains trapped underneath a layer of impermeable rock Impermeable means "preventing the passage of liquid or gas." Geology call this layer a cap rock because it functions like the cap on a contain This cap rock keeps most of the oil and natural gas contained deep inst the earth.

Oil Is Found in Pockets Deep in the Earth A great amount of the world's oil lies buried under Southwest Asia. One reason for these lare deposits is that millions of years ago this area was under water. These that covered the region contained the tiny plants and animals that be the process of making oil.



From Sea Creatures to Crude Oil

tiny creatures that sank to the bottom

of the sea. As the creatures decayed,

slow, oil is a nonrenewable resource.

parts of their remains slowly turned

into oil. Because oil formation is so

The oil we use today was formed millions of years ago. It began as



Layers of sand built up over the remains. Pressure and heat changed the remains into oil and natural gas.



and natural gas trapped deep the earth.

and animals fell to the ocean floor.