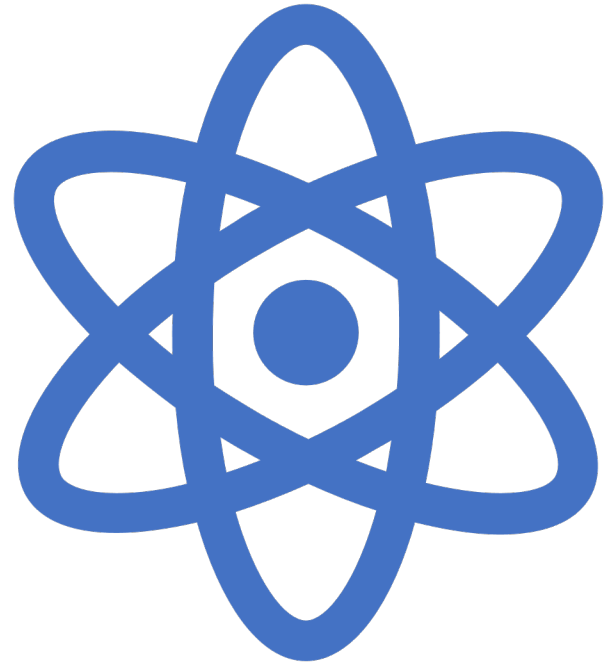


Energy in Our Lives



Energy in Our Live

We use lots of different types of energy in our lives every day without even realizing it.

Today we are going to look at two types of energy sources

1. Nonrenewable
 2. Renewable
-





Nonrenewable Energy Sources





Wood

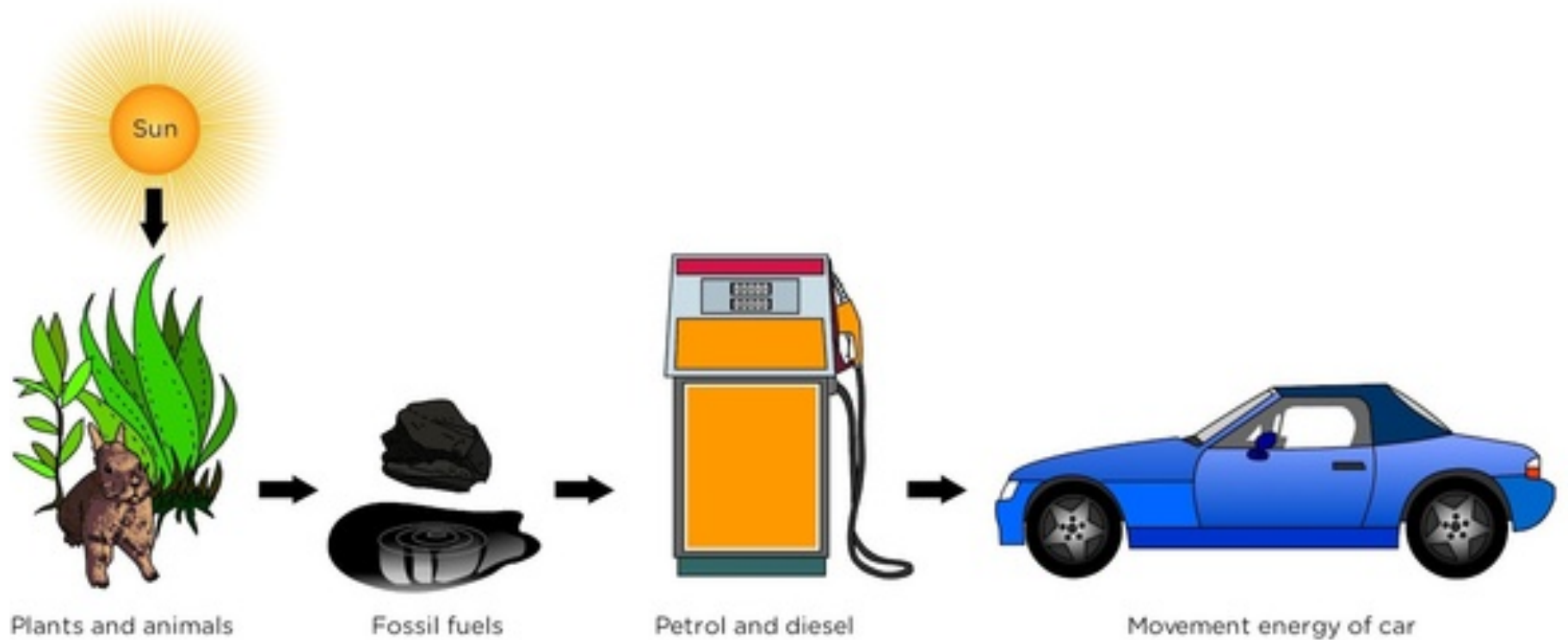


Coal



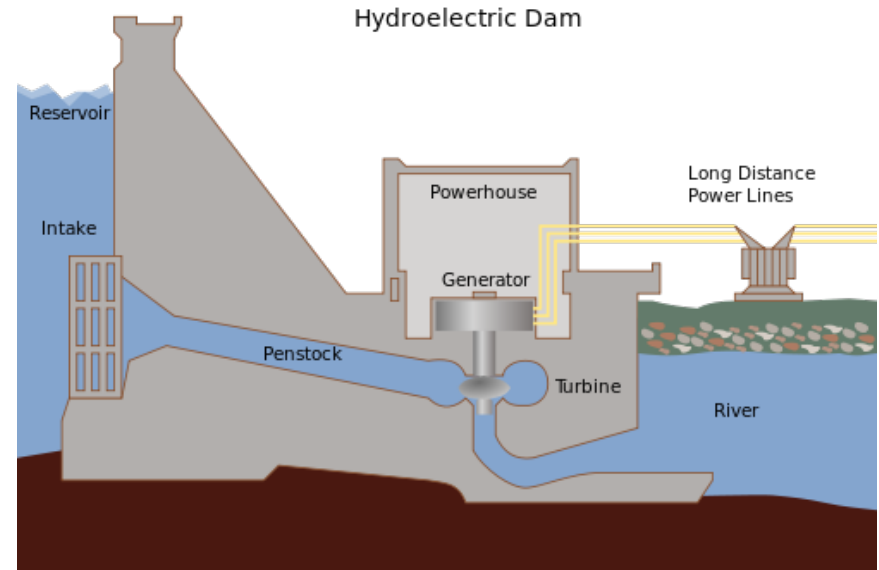
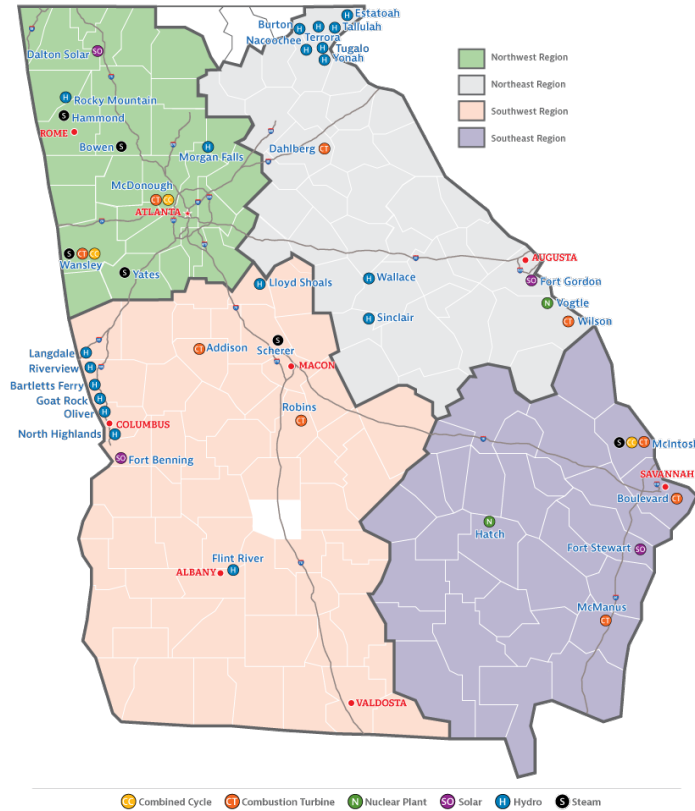
Steam Power

Fossil Fuels





Renewable Energy Sources



Hydroelectric Power

Solar Power

HOW SOLAR PANELS WORK

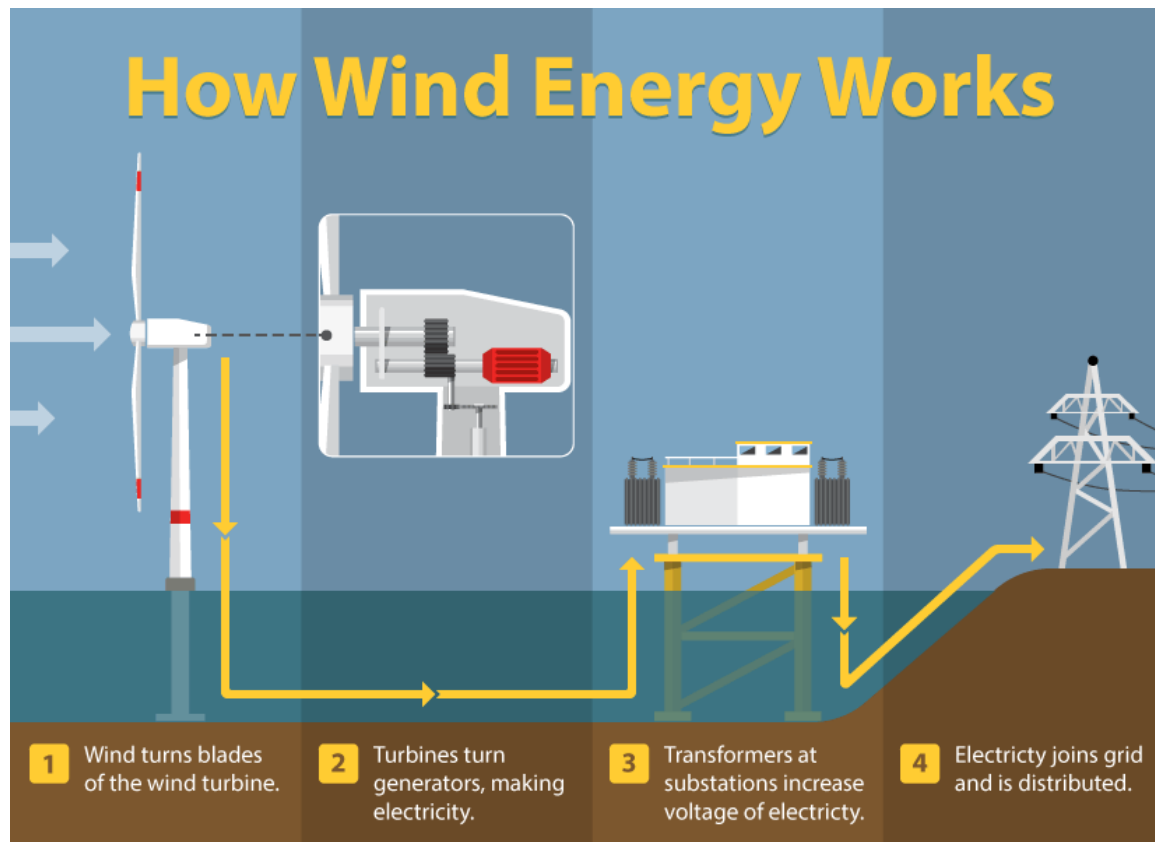


Diagram illustrating the process of solar power generation. A yellow sun in the top left corner emits dashed lines representing rays of sunlight (photons) towards a blue solar panel tilted at an angle. A circular inset on the right shows a cross-section of a solar cell with a blue top layer, a black middle layer, and a blue bottom layer. Negative charges (electrons, represented by minus signs) are shown in the top layer, and positive charges (holes, represented by plus signs) are shown in the bottom layer. A small white dot on the solar panel indicates the point of impact for a photon.

RAY'S OF SUNLIGHT (PHOTONS) HIT THE SOLAR PANEL CELLS, CAUSING A REACTION INSIDE THE CELLS. THE REACTION PRODUCES A DIRECT CURRENT OF ELECTRICITY (DC).

THE SOLAR POWER FLOWS IN A CIRCUIT THROUGH THE SOLAR INVERTER WHERE IT IS CONVERTED TO AN ALTERNATING CURRENT OF ELECTRICITY (AC) SO THAT IT CAN BE SAFELY USED AROUND THE HOUSE AS WELL AS SOLD BACK THE ELECTRICITY RETAILERS.

Wind Power



Nuclear Power

