

Energy and Earth resources slideshow notes

The purpose of the slideshow is to familiarize students with where energy comes from and to show that all energy comes from the sun and Earth.

Slide 1: Title slide

Slide 2: Sun

- All life on Earth is sustained by the sun.

Slide 3: Plants

- The sun provides light energy for plants to grow. Plants provide food for other living things, including humans, and food provides chemical energy to fuel our bodies. The sun also causes the change in air temperature that keeps the water cycle moving.

Slide 4: Flowing rivers

- Ask students if they can guess how a river produces energy.

Slide 5: Hydroelectric power

- Most of our electricity in B.C. comes from hydroelectricity. This is electricity created when falling water passes through a dam.

Slide 6: Sedimentary rock

- The natural cycles of life on Earth produce energy. Millions of years ago most of the Earth was covered with oceans filled with tiny plants and animals. When the plants and animals died, they sank to the bottom of the ocean and were eventually covered by sand. As the layers built up, the deepest layers became hot and pressurized and turned into sedimentary rock and fossil fuels, like natural gas, oil and coal.
- Fossil fuels burn easily to release the energy they have stored in them.
- Natural gas is the cleanest fossil fuel and produces fewer emissions than coal or oil.

Slide 7: Our planet

- The energy and resources we use all come from the sun and the Earth.

