

# SOURCES OF ENERGY GAME



**Instructions:** Get the students to cut out the energy sources squares (attached below). Once they have all been cut out, go through the questions and have the students hold up the different types of energy sources as the answer to the questions.

What type of non-renewable energy is often used in grills or barbeques?

*Answer: propane*

Many of Canada's freshwater (rivers and lakes) have been used to produce this type of energy.

*Answer: hydro*

This form of energy is made by using the heat from the Earth's core. Which type of renewable energy am I talking about?

*Answer: geothermal*

Usually this type of energy source depends on a dam to raise the level of water in the reservoir. Which renewable energy am I?

*Answer: hydro*

Which energy source uses the light and heat from the sun?

*Answer: solar*

Which energy source uses wood, straw, manure, and other natural materials that contain stored energy?

*Answer: biomass*

Since Canada has more fresh water in its lakes and rivers than any other country in the world, we use this form of renewable energy more than any other to produce electricity.

*Answer: hydro*

What types of energy are also known as fossil fuels?

*Answer: oil, coal, propane and natural gas*

One of the oldest uses of this type of renewable energy is for transportation over oceans. Which am I?

*Answer: wind*

What is Nova Scotia Power's main source of energy?

*Answer: coal*

What type of non-renewable energy is usually moved in pipelines?

*Answer: oil and natural gas*

This renewable energy source may cause significant environmental damage, such as flooding and the destruction of fish and wildlife habitats if not used carefully. What type of energy am I?

*Answer: hydro*

This energy source is one of the most economical sources of renewable energy because it can be set up quickly and cheaply. What type of energy am I talking about?

*Answer: wind*

Which energy source depends on the wind blowing across the sea.

*Answer: ocean (wave)*

Which energy source makes your car hot when it is parked in the sun?

*Answer: solar*

This energy source uses the pressure acting on the rocks and minerals of the Earth's core to make heat. Which renewable energy am I?

*Answer: geothermal*

What types of non-renewable energy are portable in a tank?

*Answer: propane and oil*

What kind of energy uses geysers, hot springs, and steam vents to gather hot water and steam to heat our homes?

*Answer: geothermal*

The oldest machines used for capturing this type of renewable energy were water wheels. What energy source am I talking about?

*Answer: hydro*

Which kind of energy sometimes find its way to the surface of the earth in the form of volcanoes and fumaroles (holes where volcanic gases are released)?

*Answer: geothermal*

What type of non-renewable energy do we get from splitting atoms?

*Answer: Nuclear*

One way to use this kind of energy is to bend or force waves into a narrow channel, increasing their power and size, which can then spin turbines. What energy source am I talking about?

*Answer: ocean (wave)*

This energy source can give us more energy in one second than people have used since the beginning of time if developed properly.

*Answer: solar*

What type of energy do we use in cars, trucks, and jets?

*Answer: oil*

Which type of renewable energy uses any form of plant or animal tissue?

*Answer: biomass*

Which type of renewable energy uses the power of waves and tides to make electricity?

*Answer: ocean (wave)*

Ethanol and methanol are alcohols, made from plant sugars. They are good examples of which type of renewable energy?

*Answer: biomass*

Which energy source captures the energy from the air?

*Answer: wind*

What type of energy burns black rock to make electricity?

*Answer: Coal*

Which type of energy depends on the gravitational pull of the moon and sun, and the rotation of the Earth?

*Answer: ocean (tidal)*

One of the oldest energy sources that humans have used is wood burning – which renewable energy is this?

*Answer: biomass*

Geothermal



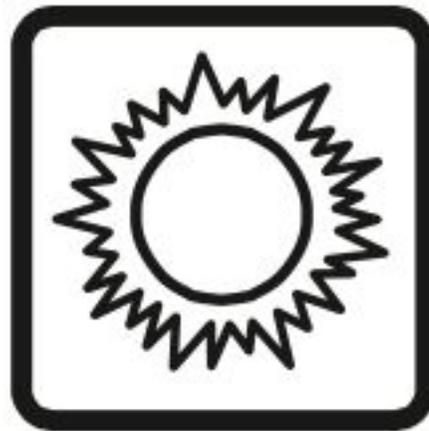
Wind



Hydro



Solar



Biomass



Ocean (Tidal & Wave)



Nuclear (Uranium)



Propane



Petroleum (Oil)



Natural Gas



Coal

