



Affix Meanings

re-	again
non-	not
trans-	through
sol-	sun
hydro-	water
electro-	electricity
geo-	Earth
therm-	heat
petro-	rock
-oleum	oil
bio-	living things

An affix is a part of a word that has a specific meaning.

Word Detective

Find the affixes in the words to answer these questions.

Example: Which resource comes from rock layers?

Circle one: a) biomass
b) petroleum

Where does **geothermal** energy come from?

- a) inside the earth b) the sun's rays

What kind of energy uses water to create electricity?

- a) electromagnetic b) hydroelectric

Which kind of resource can not be replaced as fast as it is used?

- a) nonrenewable b) renewable

Which of these is used to absorb energy from the sun?

- a) solar panels b) transmission lines

What is **biofuel** made from?

- a) rocks b) living things

What type of energy comes from heated water?

- a) hydrothermal b) hydroelectric



What's It Mean?

Finish the sentences to tell what each term means.

Example: Solar energy is energy that comes from the sun.

Transmission lines are wires that electricity travels _____.

Renewable energy is energy that can be replaced over and over _____.

Geothermal energy is energy that uses _____ from inside the Earth.

Nonrenewable energy is energy that can _____ be replaced again.

Petroleum is _____ removed from rock layers.

Hydropower is energy that uses moving _____.

Geophysics is the science that studies properties of the _____.

Biofuel is energy that comes from _____.

Something that is petrified is made to look like a _____.

An electromagnet is a magnet that is made using _____.

Affix Expert

You discovered a new source of energy! Use the affixes in this list to name it.



Word Builders

Energy

Answer Key

Word Detective

Where does **geothermal** energy come from?

a) inside the earth

What kind of energy uses water to create electricity?

b) hydroelectric

Which kind of resource can not be replaced as fast as it is used?

a) nonrenewable

Which of these is used to absorb energy from the sun?

a) solar panels

What is **biofuel** made from?

b) living things

What type of energy comes from heated water?

a) hydrothermal

What's It Mean?

Transmission lines are wires that electricity travels *through*.

Geothermal energy is energy that uses *heat* from inside the Earth.

Nonrenewable energy is energy that can *not* be replaced again.

Petroleum is *oil* removed from rock layers.

Hydropower is energy that uses moving *water*.

Geophysics is the science that studies properties of the *Earth*.

Biofuel is energy that comes from *living things*.

Something that is petrified is made to look like a *rock*.

An electromagnet is a magnet that is made using *electricity*.