Energy Sources Study Guide

Test Date: ______________________________

Online resource to look at with your child: http://tiki.oneworld.net/energy/energy.html

Vocabulary

energy - the ability to do work or cause change. What do you need energy to do?

renewable resources - resources that can be made and/or used again

nonrenewable resources - resources that cannot be used again; these resources take millions of years to make, that’s too long to wait!

fossil fuels - fuels found deep in the earth such as coal, oil, and natural gas; these are nonrenewable

sun - solar energy - a renewable energy source that comes from the sun

water - water energy - a renewable energy source that comes from moving water

wind - wind energy - a renewable energy source that uses the wind to turn turbines to make electricity

Important Facts

• There are many different forms of Energy: sun, water, wind, and fossil fuels (oil, coal and natural gas)

• Three natural forms of energy are: sun, water and wind

• The sun is the major source of energy on Earth. It provides heat and light. This is called solar energy and is considered a renewable energy source.

• Other sources of energy on the Earth come from renewable and nonrenewable sources.

• Wind, water, sun and wood are renewable sources of energy

• Coal, oil and natural gas (also known as FOSSIL FUELS) are nonrenewable sources of energy

• Fossil fuels can all be burned to make electricity.

• Electricity can be made in many ways and provide heat and light for humans. It can be made from renewable and nonrenewable energy sources. Electricity is the main thing we need energy sources for.
These are wind turbines.

This is water moving through a dam to make electricity.

Coal looks like black rocks

Oil is a liquid

Natural gas is a gas like the air we breathe. You can’t see it until it is lit on fire.