

ALL ABOUT HEAT AND ENERGY

What is Energy?

Energy is the ability to do work.

Energy is what makes trucks move.

Energy is what makes cookies bake in the oven.

Energy is what keeps ice frozen in the freezer.

Energy causes our TV to turn on.

Energy is what causes our lights to light up a dark room.

Energy causes the school bell to ring.



Please login or register to download the printable version of this study guide.

www.newpathlearning.com



Energy also makes our bodies GROW and develop.

How Do Living Things GET Energy?

Plants get their energy from the Sun.

Without this energy a plant would not grow and would not be able to make its own food so it would die.



Animals get their energy by EATING! Animals get energy by eating plants, other animals, or both! Animals need energy to grow and to move around.

How Do Living Things Use Energy?

Heat and light energy:

- Keep us warm
- Cook our food
- Give us energy



Please login or register to download the printable version of this study guide.

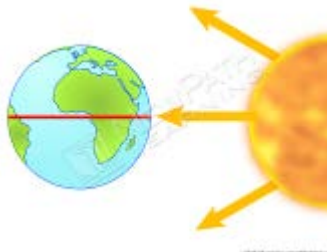
www.newpathlearning.com



We need energy for every activity!
We need energy to walk, run, and jump!

Heat is energy.

The Sun is the main source of Earth's HEAT and light energy.



How is Heat Produced?

Heat can be produced in several ways.

One example:

Fire gives off heat.

You can feel heat when you are near a fireplace or a campfire.

Fire creates A LOT OF HEAT and is HOT to touch. So NEVER touch fire!



Another example:

Rub your

When you
rubbing yo
your hands



PREVIEW

Please login or register to download the
printable version of this study guide.

www.newpathlearning.com

Stop
e. Do



You just produced heat!

Heat energy cooks our food and warms our houses.

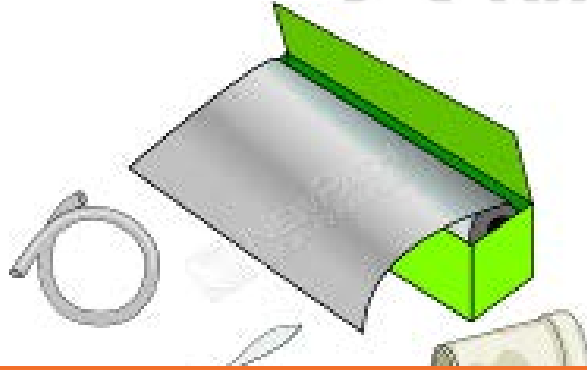
How Does Heat Move?

Heat can move from one object to another.

Conduction is when heat moves from one object to another object.

Some objects conduct heat very well.

Some objects that conduct heat are tin foil and metal wires.



Other objects

Styrofoam
into Styrofoam
which is a

Styrofoam cup of hot coffee and not get burned!

Please login or register to download the
printable version of this study guide.

www.newpathlearning.com

your coffee
well –
can hold a