

4.2

Heat Transfer

What
is
radiant
energy?

BBB

How does
radiation
affect the
surface of
the Earth?

BBB

Experiment:

Pre-plan

We get

1 cup
2 thermometers
1 vial
hot water
cold water

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4.2

Multimedia - Solids, Liquids, Gases

- * organize information on this page is a friendly format

4.2

Heating the Atmosphere

Heat =
Movement

Energy of motion is kinetic energy.

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Heat Transfer

by

Radiation

Radiant energy travels through air, and
travels in rays

Heat Transfer

by

Conduction

When heat transfers through contact
it is called conduction.

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Heat Transfer

Warm land & seas reradiate energy.

to the

Atmosphere

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Temp. &

A thermometer measures average kinetic
energy of the molecules in a material.

Thermometers

4.2 Heating the Atmosphere

How does
a
thermometer
work?

sum
in
logical
sequence

choice:

Think ?'s
on page 26

((Or)))

Q? summary