

# Heat

## Lesson 4

saying, 'These last worked only one hour, and you have made them equal to us who have borne the burden of the day and the scorching **heat**.' Matthew 20:12

# Quiz

Take the three states of matter quiz.

Review thermal energy and heat.

# How is thermal energy transferred by conduction?

- Conduction- the transfer of thermal energy between two objects that are touching

# Conduction Experiment=Butter Melt 1

- Do experiment.
- Discuss how conduction happened.
- Discuss why the butter melted off the metal rod first.

# Conduction

- Conductors-a material through which heat or electricity flows easily
- Insulators-a material that slows or stops the flow of energy

# Conduction

## Examples of Conductors

- Metal
- Gold
- Silver
- Iron
- Copper
- Aluminum

## Examples of Insulators

- Dry wood
- Rubber
- Plastic
- Glass
- Oil
- Marble
- Air
- Diamond

# Homework

- You need to study what the definition of a conductor and insulator are and the examples of conductors and insulators. There will be a quiz tomorrow.