

Heat transfer worksheet 1  
NAME:

Conduction, convection, or radiation?

- \_\_\_\_\_ The heat you feel from a fireplace
- \_\_\_\_\_ This type of heat transfer causes plates to move
- \_\_\_\_\_ boiling water
- \_\_\_\_\_ Heat you feel from a hot stove
- \_\_\_\_\_ Frying a pancake
- \_\_\_\_\_ fast particles colliding with slower particles
- \_\_\_\_\_ air travels this way
- \_\_\_\_\_ transfer through solids
- \_\_\_\_\_ transfer through space
- \_\_\_\_\_ moves as a wave
- \_\_\_\_\_ moves as a current
- \_\_\_\_\_ sun rays reaching earth
- \_\_\_\_\_ occurs with fluids
- \_\_\_\_\_ a coil on an electric stove
- \_\_\_\_\_ this type of transfer is affected by color

The diagram below shows a covered box with thick walls that has water and air in it.  
Label all arrows that would be convection, conduction, and/or radiation

