

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

