

For each statement, tell whether it is conduction, convection, or radiation.
(2 points each)

1. I put an ice cube on my tongue, and my tongue feels very cold.
2. Warm air rises to the highest floor of a building.
3. Humans give off heat energy through infrared waves.
4. This is the only way heat can move through a vacuum:
5. This type of heat transfer occurs because individual molecules collide, exchanging their heat energy.
6. A sea breeze:
When you are on the beach, the air above the water is colder than the air above the land.
The air rises on the land, and then sinks above the water.
The air above the water rushes to fill the empty space, and you feel a nice, comforting breeze.

OTHER THAN the options listed above, write your own example of each type of heat transfer:
(once again, DON'T pick one of the examples from above, invent your own!)

8 points total. for 7 – 9.

7. Write your own example of conduction:

8. Write your own example of convection:

9. Write your own example of radiation: