

Heat Transfer

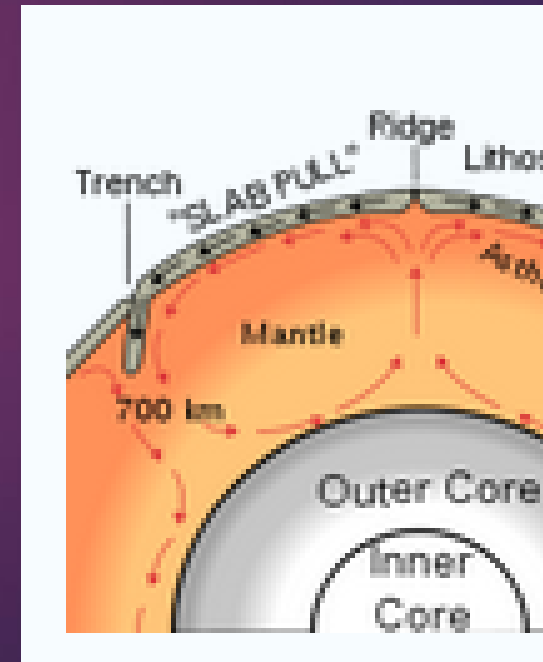
1. Thermal energy passes from a hot soup to a spoon in the soup, warming the spoon. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



2. Because of cooler magma sinking and warmer magma rising, currents form in the liquid mantle of Earth's center. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



3. A camper warms his hands by a fire. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



4. The flame on a burner turns blue, and you can feel the heat from it without touching it. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



5. A warm cup of coffee warms your hands as you hold it. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



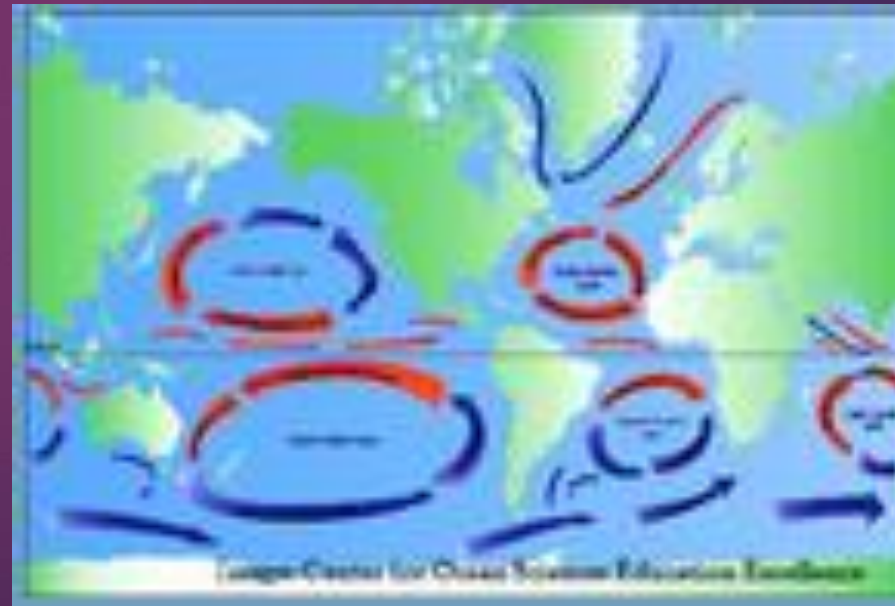
6. The flame from a burner on a stove comes in contact with the bottom of a pan, warming it. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



7. Ocean currents form due to the movement of warm water toward cold water. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



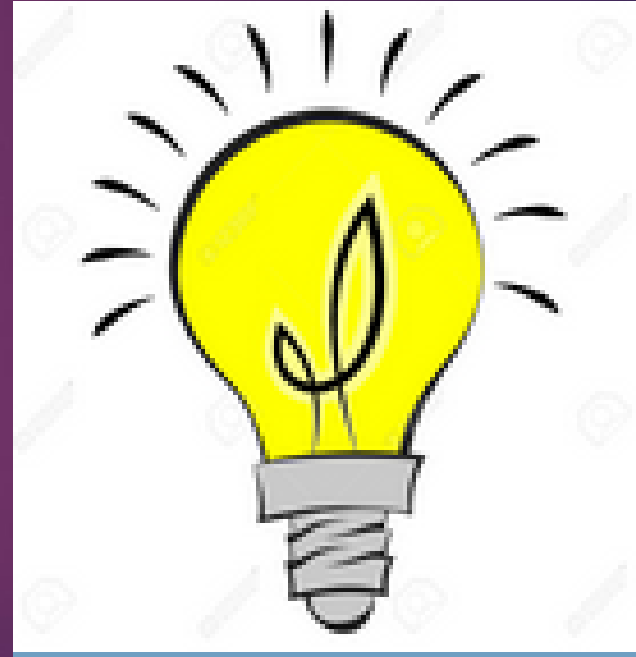
8. You lay on a beach and feel the warmth of the sun on your skin.
Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



9. A light bulb gives off heat that you can feel at a distance. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



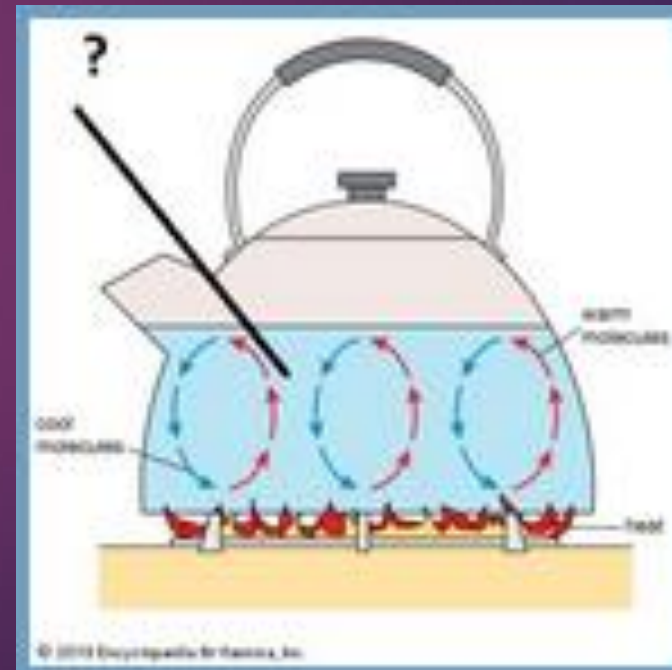
10. Warm water in a cup heats a thermometer. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



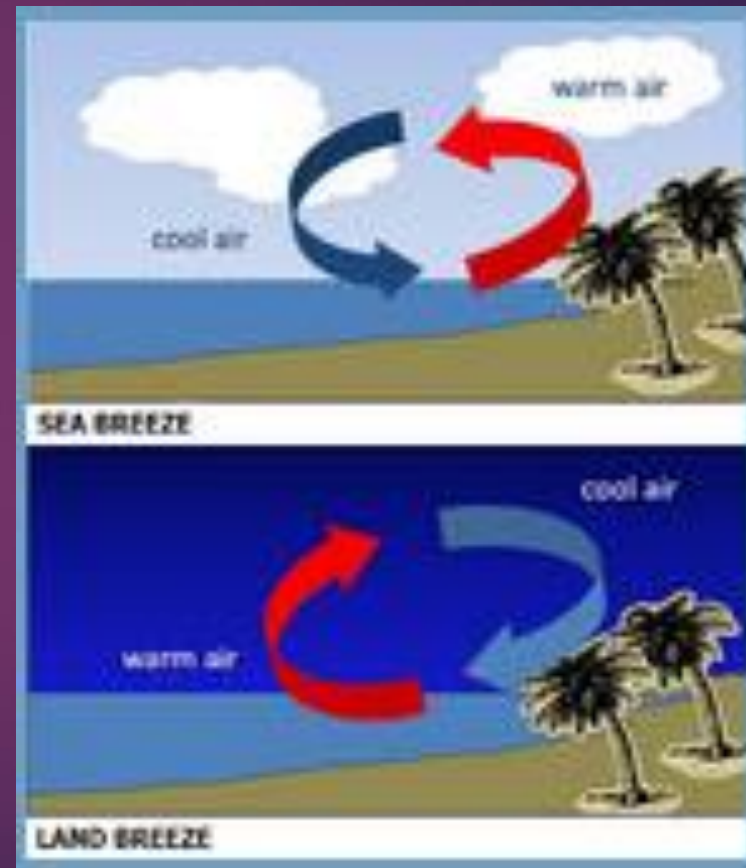
11. As water boils in a kettle, warm water rises and cold water sinks, creating currents as shown in the picture. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



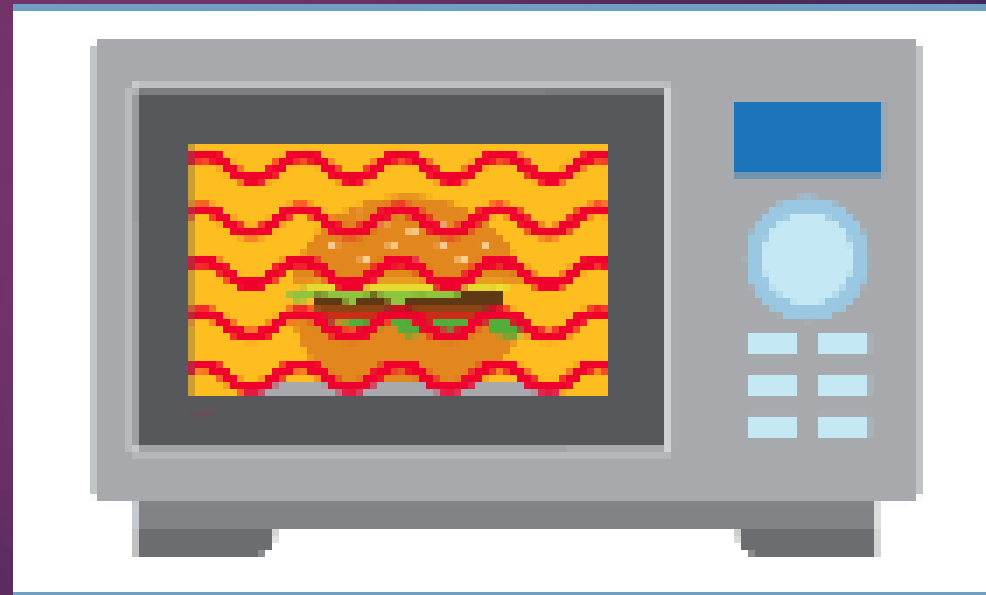
12. Currents form as warm air rises and cold air sinks. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



13. A microwave heats your food.
Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



14. A heated metal stamp presses into a piece of wood and burns a design into it. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



15. A heating pad placed on your back heats your skin. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



16. The bubbles in a lava lamp flow up and down because of the movement of heated water. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



17. Hot coals emit heat that you can feel from a foot away. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



18. Hot sand at the beach burns your feet. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



19. A fan cools your skin by blowing cool air toward you. Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction



20. A hair straightener smooths your hair by applying heat through direct contact with your hair.
Which type of heat transfer is this?

- A. Radiation
- B. Convection
- C. Conduction

