

# conduction and convection

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## **Thermal conduction, convection, and radiation - Khan Academy**

There are three forms of thermal energy transfer: conduction, convection, and radiation. Conduction involves molecules transferring kinetic energy to one another through collisions. Convection occurs when hot air rises, allowing cooler air to come in and be heated.

## **Mantle Convection and Plate Tectonics (article) | Khan Academy**

California's San Andreas fault system is an example. So mantle convection not only accounts for ocean basins, continents, and mountains, it is also the ultimate reason for nearly all earthquakes and volcanoes. The San Andreas is probably the best-known transform fault boundary.

## **Conduction, convection | Practice Course Grade 7 Science - Khan Academy**

Unit 10: Conduction, convection Conduction convection and radiation Learn Conductors insulators and semiconductors

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## **Temperature regulation strategies (article) - Khan Academy**

The descending, warm blood passes much of its heat to the ascending, cold blood by conduction. This means that less heat will be lost in the foot due to the reduced temperature difference between the cooled blood and the surroundings and that the blood moving back into the body's core will be relatively warm, keeping the core from getting cold. 7

## **Computer Model of Mantle Convection (video) | Khan Academy**

When a solid, liquid, or gas is heated, it expands, becomes less dense, and rises. When it cools, it contracts, becomes more dense, and sinks. The circulation that results from hot, rising material and

cool, sinking material is known as convection. Convection makes the Earth dynamic.

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## **Explanation: Convection (video) | Week 2 | Khan Academy**

Let's look at explanation of the activity on convection! Created by Vibhor Pandey.

## **La conducción de calor, la convección y la radiación - Khan Academy**

El fuego como ejemplo de conducción de calor, convección y radiación.