

How Microwaves Work

Microwave ovens | how do they work? - explain that stuff A simple introduction to microwave ovens and how they work. Microwaves | howstuffworks -not surprisingly, a microwave oven uses microwaves to heat food. microwaves are a type of wave that are sandwiched between radio waves and infrared radiation on the electromagnetic spectrum. in the case of microwave ovens, the commonly used wave frequency is roughly 2,450 megahertz (2.45 gigahertz). How a microwave oven works - youtube Bill details how a microwave oven heats food. he describes how the microwave vacuum tube, called a magnetron, generates radio frequencies that cause the How do microwaves work - universe today Microwaves used for cooking, on the other hand, are electromagnetic waves possessing frequencies around the 2.45 ghz range. now, electromagnetic waves are waves made up of alternating electric and magnetic fields. How do microwaves work? - business insider Microwaves are shorter than radio waves but longer than infrared radiation. the microwave used for cooking is about 12 centimeters from crest to crest, says louis bloomfield, a professor of physics at the university of virginia. at this wavelength, microwaves are readily absorbed by most foods.

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