

Heating Systems

Heating systems are what homes and businesses use to generate and distribute _____ throughout their buildings. There are various ways to do this. Some require the burning of a _____ within the building itself where it is then distributed. Others have a _____ burned at an electric generating plant where the heat is used to make electricity. The homes and businesses then use this electricity to create the _____ they need.

Some newer types of heating systems use heat from their surrounding _____. These types typically are _____ expensive than more traditional types of heating systems.

Types of heating systems	Specific Name	Heating Method
Conventional	_____	1-Conduction to surrounding air 2-Convection currents distribute heat through air in room 3-Conducted to people and objects in room by contact with heated air
	_____	1-Convection currents distribute heat through air in room 2-Conducted to people and objects in room by contact with heated air
	_____ _____	1-Without Fan:Infrared radiation directly heats whatever absorbs it 2-With Fan:Convection currents distribute heat through air in room
Solar	_____	1-Thermal energy absorbed by objects and materials while in sunlight. 2-Heat given off as infrared radiation when not in sunlight
	_____	1-Thermal energy absorbed by objects and materials while in sunlight. 2-Fans/pumps used to circulate heat to where it is needed
Geothermal	_____	1-Heat below ground conducted to liquids in pipes. 2-Pumps used to circulate heat to where it is needed.