



The Greenhouse effect M Some of the infrared Some solar radiation is radiation passes through reflected by the atmosphere the atmosphere and is and earth's surface lost in space Outgoing solar radiation: 103 Watt per m² G Some of the infrared radiation is absorbed and re-emitted by the Solar radiation passes through greenhouse gas molecules. The the clear atmosphere. direct effect is the warming of the Incoming solar radiation: earth's surface and the troposphere. 343 Watt per m² Surface gains more heat and infrared radiation is emitted again warming Solar energy is absorbed by the ... and is converted into heat causing earth's surface and warms it... the emission of longwave (infrared) 168 Watt per m² radiation back to the atmosphere

Sources: Okanagan university college in Canada, Department of geography, University of Oxford, school of geography; United States Environmental Protection Agency (EPA), Washington; Climate change 1995, The science of climate change, contribution of working group 1 to the second assessment report of the intergovernmental panel on climate change, UNEP and WMO, Cambridge university press, 1996.