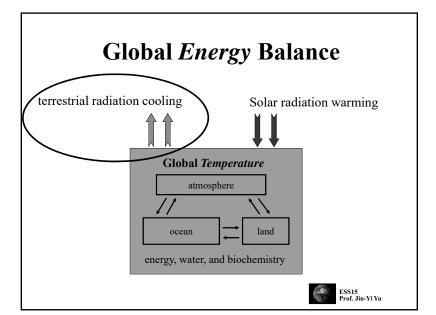
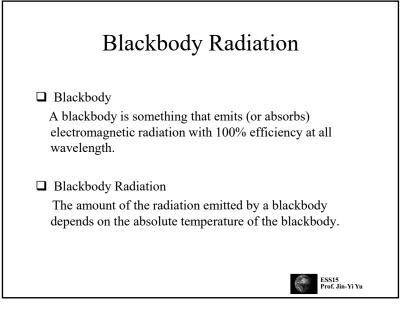
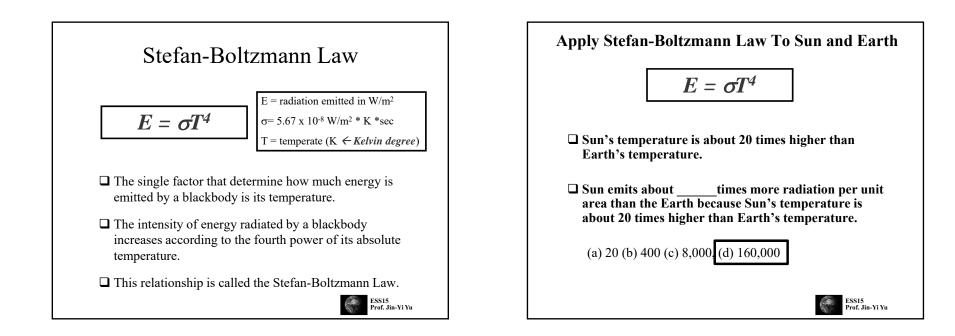


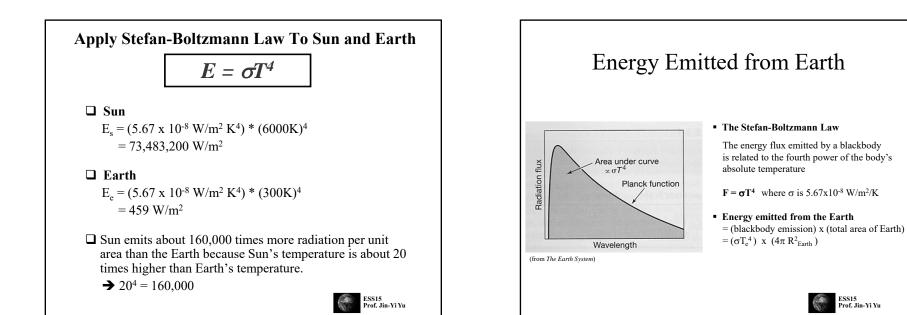
□ The radiation emitted by the Earth is called "terrestrial radiation" which is assumed to be like blackbody radiation.

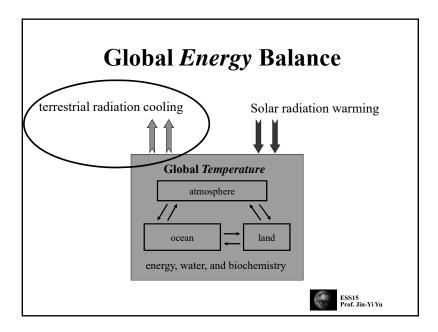
> ESS15 Prof. Jin-Yi Yu

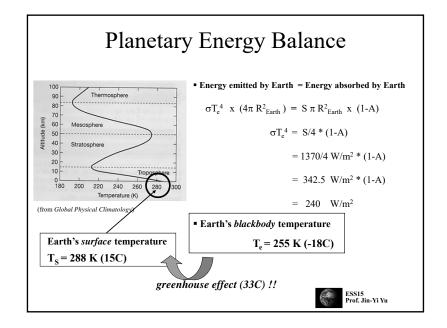


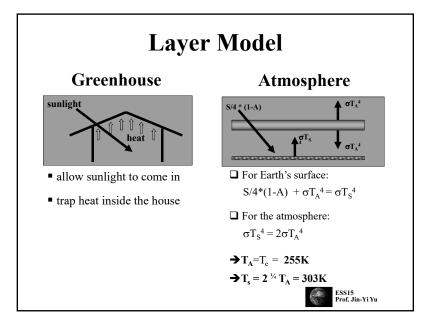












Important Atmospheric Greenhouse Gases	
Name and Chemical Symbol	Concentration (ppm by volume)
Water vapor, H ₂ O	0.1 (South Pole)-40,000 (tropics)
Carbon dioxide, CO ₂	360
Methane, CH ₄	1.7
Nitrous oxide, N ₂ O	0.3
Ozone, O ₃	0.01 (at the surface)
Freon-11, CCl ₃ F	0.00026
Freon-12, CCl ₂ F ₂	0.00047

