

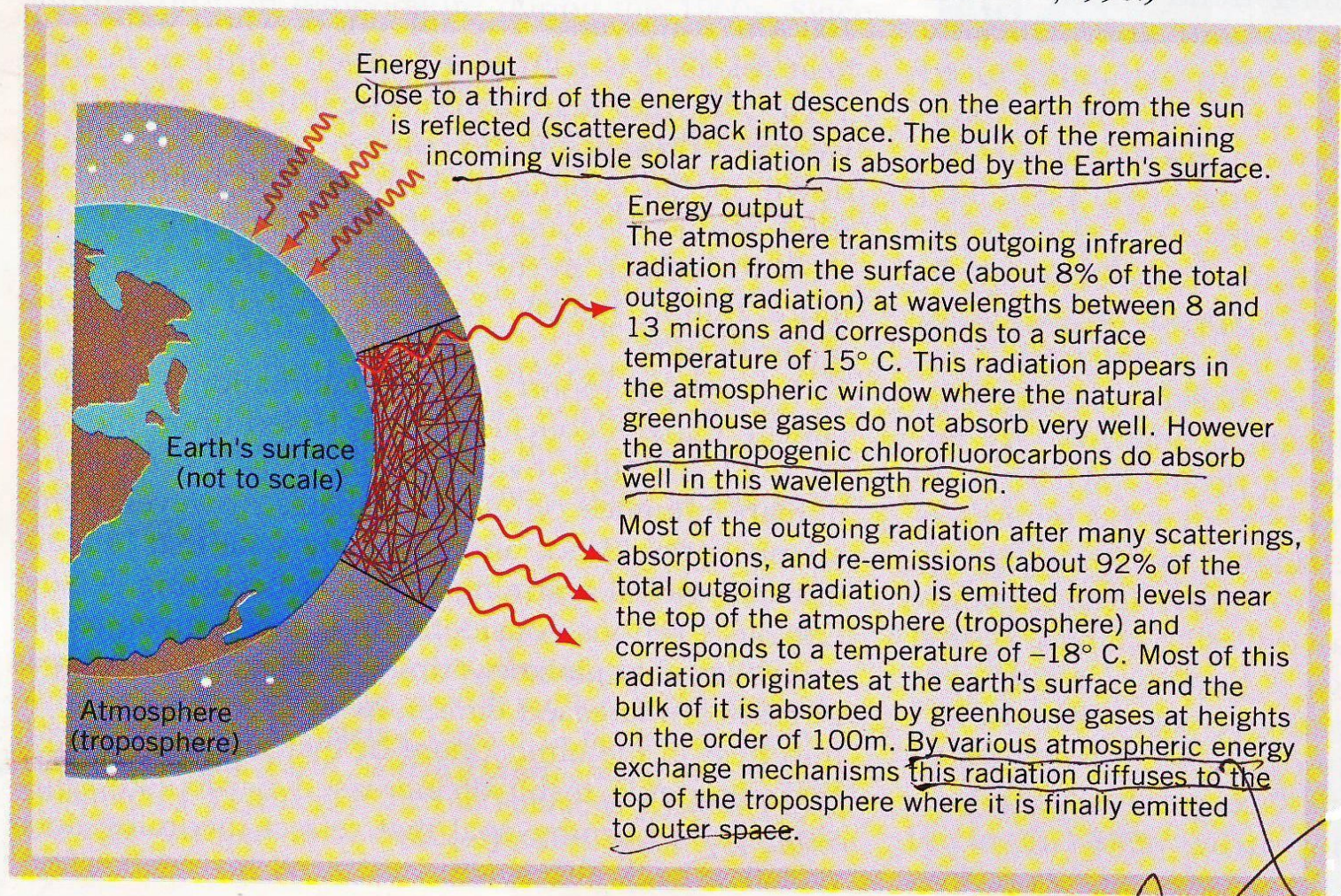
# Global Warming



- Increase in temperature
  - Extreme events like flood and drought will occur more frequently with high intensity. By 2050 about 50 m people will be affected due to flood and about 20 m people will be affected due to drought.
  - 6% low lying land will go under water and about 6 million people will Migrate and will create environmental refugee.
  - Trans-boundary issue: 75% of glacier in the Himalayas will vanish by 2030: Food security/Navigation/Agriculture



**FIGURE 21.7** Idealized diagram showing greenhouse effect. Incoming visible solar radiation is absorbed by the Earth's surface to be reemitted in the infrared region of the electromagnetic spectrum. Most of this reemitted infrared radiation is absorbed by the atmosphere maintaining the greenhouse effect. (Source: Developed by M. S. Manalis and E. A. Keller, 1990.)





# Adaptation



- Government, NGO, Civil Societies, Media
- Institutional weaknesses must be removed, more resources must be Diverted: DOE, inter-agency cooperation must be improved.
- Need regional cooperation like building reservoir in Nepal.
- Crop diversity, Floating Garden, Change profession etc.