

KEY FACTS

- Greenhouse gases: CO₂ (fossil fuels, deforestation), methane (cattle, landfill, rice)
- Enhanced greenhouse effect: more CO₂ → more heat trapped → rising temperatures
- Consequences: sea level rise, extreme weather, habitat shifts, species extinction
- ★ Positive feedback ★: warming → permafrost melts → methane released → more warming

KEY TERMS

Greenhouse gas	Gas (CO ₂ , methane) trapping infrared radiation — warms atmosphere
Global warming	Rise in average temperatures due to enhanced greenhouse effect
Positive feedback	Response amplifies original change (e.g. warming → more methane → more warming)

■ EXAM TIP: Greenhouse effect is NATURAL and essential. ENHANCED greenhouse effect (too much CO₂ from burning fossil fuels) is the problem. These are different things.