

Canada's Greenhouse Gas Production

Canada certainly adds greenhouse gases to the atmosphere. Where do most of them come from? Use Table 1 on page 390 of your Nelson text to fill in this chart.

Source	Examples	Megatonnes (Mt) of CO ₂ -eq *
	Generating heat/electricity Mining Lightning/ heating buildings	
	Exhaust from cars, trucks, planes, trains....	
	Gases released when mining and processing fossil fuels	
	Production of nitrogen fertilizers, Exhaust from farm machinery	
	Mineral/metal production Chemical industry	
	Sewage treatment, landfills	
	Forests, crops, wetlands, settlements	

* CO₂-eq = Carbon dioxide equivalence. Remember that methane and nitrous oxide are more powerful greenhouse gases than carbon dioxide. 1 methane molecule, for example, would have a CO₂ equivalency of 23.

Globally ↘

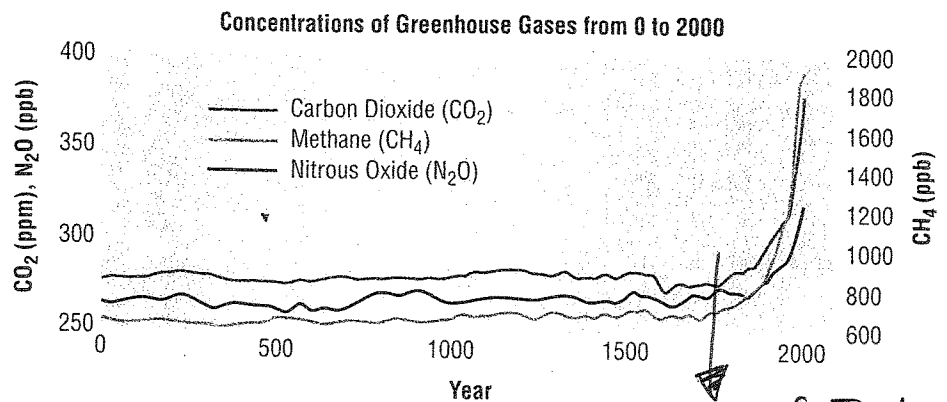


Figure 1 Atmospheric concentrations of important long-lived greenhouse gases over the last 2000 years. Increases since about 1750 are attributed to human activities in the industrial era.

start of Industrial Revolution