

Human interactions with carbon and nitrogen cycles

Outline ways we interact with each cycle using the table below

Carbon Cycle	Nitrogen Cycle
Burning fossil fuels (removes carbon from fossil fuels and emits it as CO ₂ into the atmosphere)	Burning fossil fuels from cars, factories, power plants, and other combustion. This increases the amount of nitrogen in the air.
Factory and vehicle emissions	Farming, when tilling, releasing Nitrogen.
Automobiles release carbon into the atmosphere through the use of diesel	
Farming increase animal population, these animals respire and produce carbon	Forest fires increase nitrogen
Farming increase the animal population, these animals produce methane	Using compost in the soil.
Fracking emits large quantities of greenhouse gases.	Application of nitrogen-based fertilizer/ Use of Phosphorus fertilisers:
mass deforestation and slash-and-burn - less trees to remove CO ₂ from atmosphere	Digging up soil means there is less for the nitrogen cycle to work with
	leads to nutrient imbalance in trees, changes in forest health, and declines in biodiversity