

Sources of Greenhouse Gases Handout

Part 1 Match the greenhouse gases (GHGs) with their sources within the food system. One source can produce more than one GHG. The first source is completed for you.

Greenhouse Gases: Carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O)

Food System Source	Greenhouse Gas(es)
Decomposition of food waste in landfills	Methane, nitrous oxide
Use of nitrogen-based fertilizer on crops	
Transporting food products	
Bacterial decomposition in rice paddies	
Livestock manure	
Clearing forests for farmland	
Cattle belching	
Running agricultural machinery	