



## Global Studies

Revealing Emissions Data

Leveled Assessment: \_\_\_\_/4

Name:

Section:

Score: \_\_\_\_/5

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Directions: Work with a partner to come up with some form of display (digital or physical) that presents the information and data below.

### Global Emissions by Economic Sector

Data Source: Environmental Protection Agency (<https://www.epa.gov/ghgemissions/global-greenhouse-gas-emissions-data#Sector> )

[Electricity and Heat Production](#) (25% of 2010 global greenhouse gas emissions): The burning of coal, natural gas, and oil for electricity and heat is the largest single source of global greenhouse gas emissions.

[Industry](#) (21% of 2010 global greenhouse gas emissions): Greenhouse gas emissions from industry primarily involve fossil fuels burned on site at facilities for energy. This sector also includes emissions from chemical, metallurgical, and mineral transformation processes not associated with energy consumption and emissions from waste management activities. (Note: Emissions from industrial electricity use are excluded and are instead covered in the Electricity and Heat Production sector.)

[Agriculture, Forestry, and Other Land Use](#) (24% of 2010 global greenhouse gas emissions): Greenhouse gas emissions from this sector come mostly from [agriculture](#) (cultivation of crops and livestock) and deforestation. This estimate does not include the CO<sub>2</sub> that ecosystems remove from the atmosphere by sequestering carbon in biomass, dead organic matter, and soils, which offset approximately 20% of emissions from this sector.

[Transportation](#) (14% of 2010 global greenhouse gas emissions): Greenhouse gas emissions from this sector primarily involve fossil fuels burned for road, rail, air, and marine transportation. Almost all (95%) of the world's transportation energy comes from petroleum-based fuels, largely gasoline and diesel.

[Buildings](#) (6% of 2010 global greenhouse gas emissions): Greenhouse gas emissions from this sector arise from onsite energy generation and burning fuels for heat in buildings or cooking in homes. (Note: Emissions from electricity use in buildings are excluded and are instead covered in the Electricity and Heat Production sector.)

Other Energy (10% of 2010 global greenhouse gas emissions): This source of greenhouse gas emissions refers to all emissions from the Energy sector which are not directly associated with electricity or heat production, such as fuel extraction, refining, processing, and transportation.