

# Renewable Energy: Powered by Poop



## Vocabulary for Students

- **Compost:** Organic matter, like plant material and vegetable peels, that has been decomposed into a rich soil that can be used as fertilizer in farms and gardens.
- **Electric vehicles (EV):** Vehicles like cars or buses that run on electricity instead of gasoline or biofuels.
- **Emissions:** The release of something, like pollution from a car's tailpipe.
- **EPA:** The Environmental Protection Agency (EPA) is an agency of the United States government that enforces laws regulating pollution and greenhouse gas emissions.
- **Generator:** A machine that converts mechanical energy into electrical energy.
- **Greenhouse gases:** Gases in Earth's atmosphere that absorb infrared radiation and trap heat. Some greenhouse gases are naturally occurring compounds (like water vapor, carbon dioxide, methane, and nitrous oxide), while others are human-made (like gases used for aerosols).
- **Methane digester:** A system in which methane gas from manure is captured and used to generate electricity.
- **Methane gas (CH<sub>4</sub>):** A greenhouse gas that is emitted both by natural sources, like wetlands, as well as from human activities, like industry and the raising of livestock.
- **Renewable energy/resource:** A resource that is never used up or a resource that can be replaced such as solar power.
- **Sustainable:** Meets the needs of the present without compromising the ability of future generations to meet their own needs.

