# Greenhouse Gases: Nitrous Oxide



## Match the correct word to its definition below.

bacteria

industrial

source

d) The place or process that a substance comes from.

e) A group of living things whose bodies have only one cell.

f) A way of making a large number of products efficiently.

**Carbon dioxide has a long residence time in the atmosphere — over 100 years. Methane has a short residence time in the atmosphere—only a few years. What would happen to the amount of carbon dioxide and methane in the atmosphere if people stopped releasing these gases right now?**

(press here for answer)

Reset

# Greenhouse Gases: Nitrous Oxide

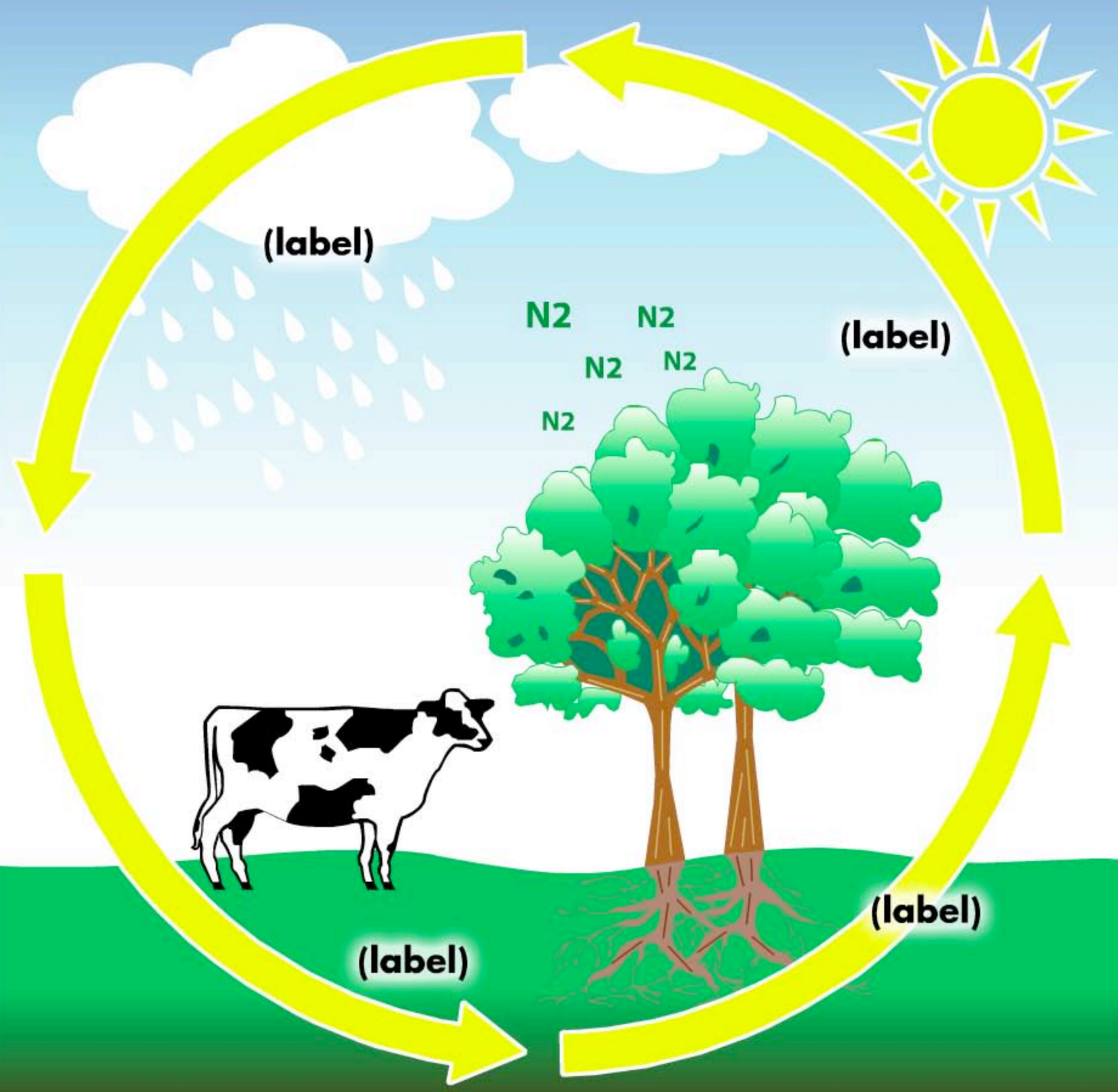
Compared to carbon dioxide, the amount of nitrous oxide in the atmosphere is tiny. However, a particle of nitrous oxide absorbs much more radiation than a particle of carbon dioxide. Therefore, nitrous oxide is an important greenhouse gas that adds to global warming.

Nitrous oxide is a compound that contains both nitrogen and oxygen. Nitrous oxide is found naturally in the environment in tiny amounts. It is made by tiny organisms, or **microbes**, such as bacteria. As with many of the other greenhouse gases, human activities have added a lot of extra nitrous oxide into the atmosphere.

continue reading

# The Nitrogen Cycle

**Drag and drop the process in the Nitrogen Cycle to its correct position.**




Decaying Matter and Waste

Nitrogen in the Atmosphere

Nitrogen in Plants

Precipitation

Reset