



**Match the correct word to its definition below.**

**limestone**

**particle**

**landfill**

**a)** What is the name of a place where trash is buried?

**radiation**

**b)** What is one way that heat energy can travel from one place to another?

**c)** What is the name of a carbon-rich rock?

**d)** What is the smallest piece of a material that still has the characteristics of the material?



The amount of methane in the atmosphere is less than the amount of carbon dioxide or water vapor. However, each particle of methane absorbs much more radiation than each particle of carbon dioxide or water. Methane also has a shorter residence time in the atmosphere than carbon dioxide. **Residence time** describes about how long materials spend in a part of Earth. The residence time of carbon dioxide in the atmosphere is over a hundred years. On the other hand, methane spends a short time in the atmosphere. The residence time of methane in the atmosphere is only a few years.



# Sources That Release Methane

Identify the human activities that release methane from the list below by touching the image once to reveal if you are correct.

## WELL DONE!

