

The Greenhouse Effect

Worksheet #10

Water is one of the most important “greenhouse” gases on Earth. In what layer of the Earth’s atmosphere is this gas primarily located, and why?

Describe how the greenhouse effect works on Earth. Please include a sketch as part of your response.

Venus has what is known as a “runaway” greenhouse effect, making it much hotter on Venus’ surface than on Earth’s surface. Why does Venus have a much stronger greenhouse effect than Earth? Explain two things here: (1) Why Venus’ current atmosphere has a strong greenhouse effect, and (2) How Venus’ atmosphere came to be so different than Earth’s in the first place.