

# Review of Greenhouse Effect

2023-01-30

## Contents

Reading: . . . . . 1

## Reading:

No new reading for today.

## Notes:

No new reading.

As you prepare for class, bring questions about things you didn't understand from previous chapters. Also, think about these review questions:

- What are the laws of blackbody radiation?
- How do you use a layer model?
- What makes some greenhouse gases more powerful than others?
- What are the important differences between the **layer-model** approach to calculating temperature and the **skin-model** on pp. 45–46?
- How does band saturation work? How can you recognize saturation in MODTRAN?
- How do you use MODTRAN to calculate the effect of doubling CO<sub>2</sub>?
- How do you use the full-spectrum RRTM model to calculate the effect of doubling CO<sub>2</sub>?