**There are many processes that heat the atmosphere of Earth.** One process is the greenhouse effect. “The greenhouse effect is the process by which gases in the atmosphere, such as carbon dioxide and water vapor, absorb thermal energy and radiate it back to Earth.” (textbook, p. 12) These gases can hold on to heat and keep it in Earth’s atmosphere, warming the atmosphere and keeping the Earth warm as well. A second process that heats Earth’s atmosphere is global warming. Global warming is “a gradual increase in average global temperatures.” (textbook p. 13) This process involves heat building up in the Earth’s atmosphere over time. An increase in greenhouse gases can increase the greenhouse effect and lead to global warming. Human activities can increase the amount of greenhouse gases in the atmosphere. Burning fossil fuels like coal and gasoline releases more carbon dioxide, a greenhouse gas, into the atmosphere. **The greenhouse effect and global warming are two processes that warm Earth’s atmosphere.**

**Underline: opening and closing statement**

Green highlight – transitions

Blue highlight – text evidence

Pink highlight – joint statement