Journal questions for PHET Molecules and light simulation. Please answer these questions and submit to the journal.

A. Write a brief (1-2 sentences) summary of what the simulation does and shows.

This stimulation shows how each light and molecule interact. It either absorbs it and reflect, break off or no reaction

B. Which molecule(s) were **not** affected by **any** of the radiation in the sim?
Why might this be important? (Hint: think about what molecules are commonly found in our air and atmosphere)

Oxygen, carbon dioxide, and nitrogen. it is important because we oxygen need to breath.

C. What can you conclude about the transparency of the earth's atmosphere with regards to visible energy?

It is very transparent. It only absorbs nitrogen dioxide and reflects it.

D. Compare the wavelength, frequency and energy levels of visible light energy and infrared energy.

	Wavelength	Frequency	Energy
Infrared	Second longest	Low	Low
Visible	Short	High	High

E. Based on the results which gases contribute the greatest to warming the earth's atmosphere? Do these gases make up a large percentage of the earth's atmosphere? Be specific.

Carbon dioxide and nitrogen dioxide. They are slowly making up a large percentile of the earth's atmosphere due to the increase in production.