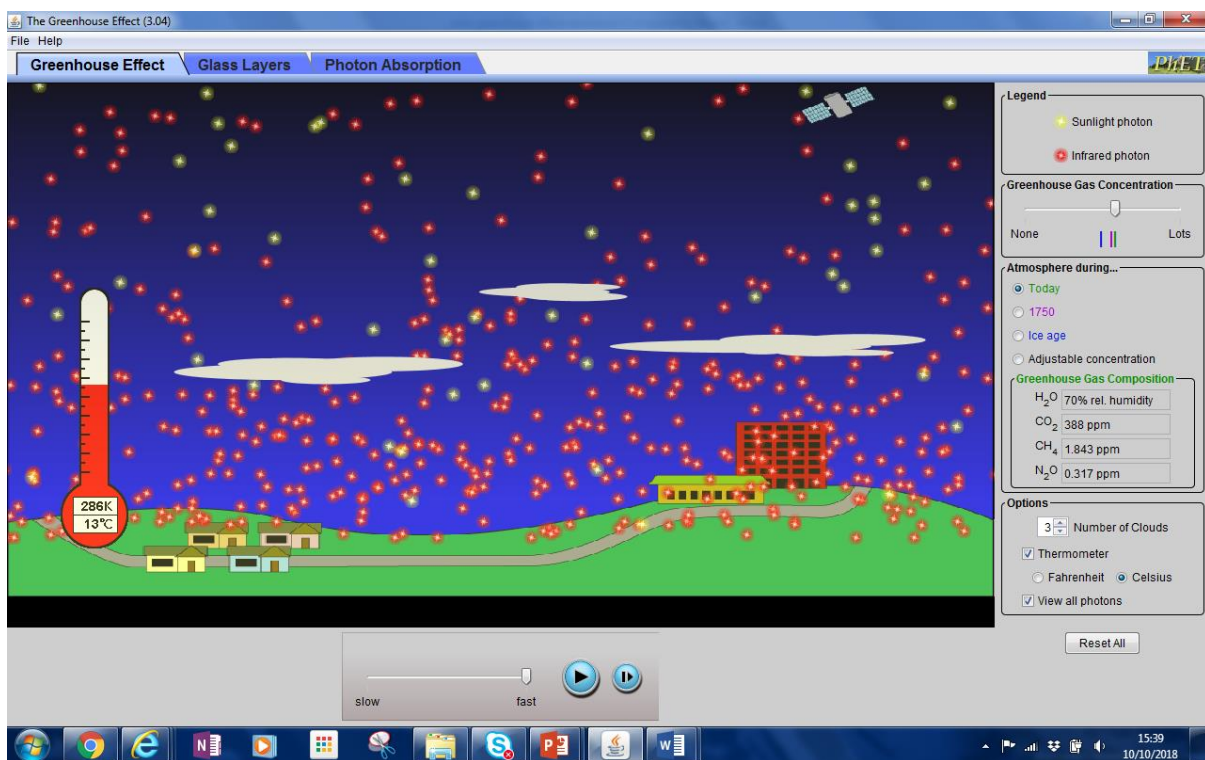


# The Greenhouse effect using PhET



- Open PhET and go to the Greenhouse effect simulation.
- Go to middle tab, glass layers, click on this.
- Answer the following questions.

1: What happens when you add in one glass layer to the simulation?

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2: What happens when you add in more glass layers to the simulation?

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- Go to the *Greenhouse Effect* tab, click on it, attempt the following questions.

3: When the *Greenhouse* gas concentration is zero, what happens to the temperature on Earth? Explain

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4: When the *Greenhouse* gas concentration is at a today's level, what happens to the temperature on Earth? Explain

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5: When the Greenhouse gas concentration is at maximum, what happens to the temperature on Earth? Explain

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6: Does cloud cover have any effect on the temperature? If yes, explain what this effect is.

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7: You can now design your own atmosphere and see what happens to the temperature of the earth.

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