

Biol. 463

Video Study Questions for – *The greenhouse effect video*

- 1) What made the predictions of the naked planet (bare earth) model too cold?
- 2) Why is the atmosphere in the greenhouse model considered a “selective” blackbody?
- 3) How does the radiation energy budget for the surface differ from that of the atmosphere (“pane of glass”) in the model with a greenhouse effect?
- 4) In the simple radiation budget models being discussed, how does the temperature of the outermost layer (the “skin temperature”) change as the number of layers is increased?