

# **Review Questions**

## **Dr. Giacomelli Lecture-Part 1: Greenhouse Systems for Plant Production**

1. The three fundamental aspects of greenhouse system design can vary depending on what?  
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2. What happens to light that hits the greenhouse?
3. What type of transmission is most important for the grower?
4. Transmission is a ratio of what to what?
5. Would the clearness index inside a glazed greenhouse be higher or lower than outside the greenhouse?
6. Explain the difference between radiation quantity and quality.
7. At what wavelength do plants absorb the most energy?
8. Why can't the unaided human eye tell which is the best glazing for a greenhouse?
9. Which wavelength is best to get into the greenhouse?
10. If you want all of your plants to receive the same amount of shadow, with no plants being under the shadow for the entire day, which direction would you position your gutter-connected greenhouse?
11. Which type of greenhouse will most likely stay more humid – one with rigid panels or polyethylene film? Why?
12. How could you increase the longevity of a greenhouse?