

## LIFE IN THE UNIVERSE — AST 07

### HW #08

**Complete sentences, no txt spelling in Ur wrk! :)**

**Include your name and 2-digit ID#.**

**Due at the beginning of the next class.**

**Machine-printed only; no email, no handwritten.**

P356

Q1: Why would we expect that Venus and the Earth have both outgassed similar amounts of CO<sub>2</sub> and H<sub>2</sub>O?

Q2: Where is Venus' CO<sub>2</sub> today?

Q3: Where is the Earth's CO<sub>2</sub> today?

Q4: What is a runaway greenhouse effect?

Q5: Venus is closer to the Sun than the Earth is, so we would expect Venus to be warmer than the Earth. However, there is a key difference in the timeline histories of Venus and the Earth, which resulted in Venus' CO<sub>2</sub> accumulating in the Venusian atmosphere, instead of being locked in the rocks. What was this key difference?

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