

Bio. 463

STUDY QUESTIONS FOR:

Kasting 2004

What are methanogens and why do we think they may have maintained higher levels of methane in the early atmosphere?

What evidence suggests that early levels of CO<sub>2</sub> were not high enough to have overcome the cooler temperatures expected from an early faint sun?

What may have prevented rising CH<sub>4</sub> levels from making the Earth excessively hot?

What change may have triggered the Huronian glaciation and what evidence supports this mechanism?