

Fall 2008
Bio. 463

STUDY QUESTIONS FOR:

Charlson and Wigley 1994

What are two ways in which sulfate particles in the troposphere can cool climate?

What are characteristics that prevent aerosol cooling from perfectly offsetting an enhanced greenhouse effect?

Describe all the steps in the procedure they use to calculate that about 0.2-0.3% of sunlight is scattered back to space by anthropogenic sulfate aerosols.