Characterization of Materials 635:309

NAME	Dr. Garofalini
See due date on Website Syllabus	
ANSWER ON THIS PACE ONLY	

- 1. (a) Calculate the mass absorption coefficients of air for Cr K α radiation. Assume that air contains 80% nitrogen and 20% oxygen by weight and has a density of 1.29 x 10^{-3} g/cc.
 - (b) What is the transmission factor of $Cr\ K\alpha$ radiation reaching the doorway of a room in which the x-ray source is 24 feet away?

ANSWER ON THIS PAGE