Challenge Problem #3

Name ____________________________

Due Friday, Sept. 16, 2005, 5:00 pm. Room 121 Chemistry

The mineral spodumene has the empirical formula, LiAlSi$_2$O$_6$. Given that the percentage of lithium-6 atoms in naturally occurring lithium is 7.40%, how many lithium-6 atoms are present in a 518 g sample of spodumene?