elab	1 (Experiment 3 in Girolami)
1.	In your own words, briefly describe a zeolite.
2.	Carefully inspect Figure 3-1. a. What is the difference between Linde type A and Faujiste zeolites?
	b. Which of these will we be preparing during this experiment?
	c. Suggest a reason that this type of zeolite is the most ideal molecular sieve.
3.	Write the balanced chemical equation that will occur during the cobalt exchange reaction? Assume 'n' is the approximate value your lab manual suggests.
4.	Inspect Figure 2-4 in your book. a. Using the 001 peak, calculate the distance between the layers and clearly justify why the difference is observed.

b. How would 2θ adjust if the layers were separated by 10 Å?