GLY 4310 Name_____
Homework Exercise 3

Silicate Mineral Associations

For each of the following minerals, tell what group it belongs to, which silicate subclass it is a member of, and whether it is hydrous (Y) or not (N). Hydrous minerals contain either H_2O or OH. For the feldspars, be sure to indicate K-spar or plagioclase (under "Group"). For the pyroxenes and amphiboles, indicate (under Group) if it is ortho or clino. For Al_2SiO_5 minerals, indicate the formula under "Group". Also indicate minerals likely to be found in alkaline rocks.

Mineral	Alkaline?	Group	Subclass	Hydrous?
1. Kaolinite				
2. Enstatite				
3. Kyanite				
4. Fayalite				
5. Grossularite				
6. Augite				
7. Riebeckite				
8. Biotite				
9. Nepheline				
10. Labradorite				
11. Hornblende				
12. Wollastonite				
13. Diopside				
14. Epidote				
15. Aegirine				
16. Chlorite				
17. Albite				
18. Sanidine				
19. Stilbite				
20. Tremolite				