GLY 4310C

LAB 11 METAMORPHIC ROCKS, PART 3

QUIZ (20 points)

1. Write two sources of the fluids that cause metasomatism (2 points)

1. What is the major mineral found in following metamorphic rocks? (1pt each)
2. Quartzite
3. Serpentinite
4. Dolomite Marble
5. Write the mineral composition for the following rock samples (2pts each)
6. Pink Marble
7. Staurolite Quartzite
8. Kyanite Quartzite
9. Write one distinguish property to identify the following minerals under microscope (1 point each)
10. Quartz
11. Kyanite
12. Biotite
13. Identify if following minerals are uniaxial or biaxial, positive or negative? If biaxial mention the 2V angle? (2pts each)
14. Kyanite
15. Calcite

6. How to differentiate calcite from dolomite in thin section? Explain in detail? (2 points)