

1. What are interference colors and what process do you go through in order to see them?
2. What is the relationship between birefringence and interference colors?
3. Make a sketch of a perfectly centered optic axis figure for a uniaxial mineral. Label the isogyres and the melatope.
4. Make several sketches of a perfectly centered optic axis figure for a biaxial mineral. Label the isogyre and the trace of the optic axis. One of your sketches should be for a mineral with low $2V$. One for a mineral with moderate $2V$, and the other for a mineral with $2V=90$ degrees.
5. One of the samples you looked at in lab was a mylonite. What is a mylonite and how do mylonites form?
6. A different sample you looked at in the lab contained omphacite. What is omphacite and what is its significance?