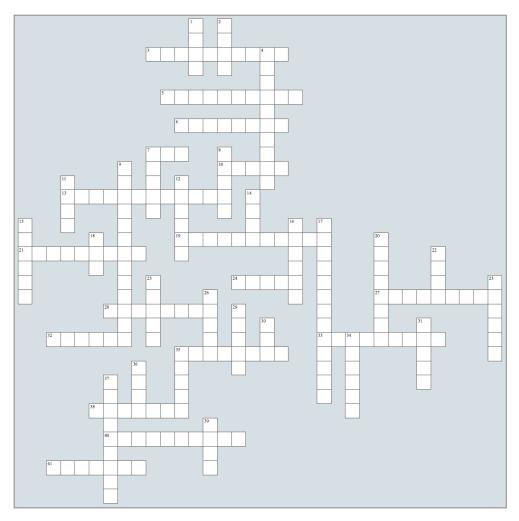
ACROSS

- Areal proportions that are raised to the 3/2 power yield "___ " proportions.
- Angle of incidence equals angle of 5.
- Quartz is a member of the " 6. crystal system.
- 7. Point group of mineral barite.
- 10. 2V is the angle between "
- 13. Uniaxial negative mineral; conoscopic illumination; optic axis perpendicular to microscope stage. You see an "____" figure.
- 19. Pink to green equals "___
- 21. Uniaxial minerals viewed directly down the optic axis are "___".
- Diminutive for Rebecca. 24.
- 27. The distinction between glass and liquid is made solely on the basis of
- 28. Filter above microscope stage that transmits light that vibrates only in an east-west direction.
- Shape of indicatrix in cubic crystals.
- Cools steam, yields water. 33.
- A crystal's optic angle [2V] is acute 35. about the principal vibration direction Z. The crystal is said the be optically "___".
- An aluminosilicate with chains of O-AL that are linked by the remaining Si, Al, and O ions. The optic axial plane is almost perpendicular to {100}, and is inclined at approximately 30° to {010}.
- 40. The Dodo bird was hunted to this
- 41. A type of equal-area stereonet.

DOWN

- " rotation axes are used in the 1. most popular types of universal stage.
- Point-counted modal proportions 2. are percentages of " ".
- In 1891, Fletcher proposed an 4. "___", a purely imaginary geometric figure.
- 7. Molar formula weight divided by mineral weight equals number of
- As the plane of focus approaches the stage, the Becke line moves toward the substrate with "___" refractive
- Wavelength affects the " " only slightly.
- Refractive indices of minerals composed of atoms with large atomic numbers are comparatively

Polarized Light Microscopy



- Volumetric proportions times densities yield "___" proportions.
- Locate by orthoscopic illumination of uniaxial crystal.
- Ideal thickness is of rock section for petrographic studies is " " micrometers.
- Equals the difference in refractive indices of a mineral and its surrounding medium.
- Vibration and propagation directions of light in a mineral are always mutually " ".
- Indicates that the microscope 18. objective is strain free.
- Felspars have perfect {001} "___".
- Biaxial mineral, conoscopic light; vertical acute bisectrix; points of emergence of the two optix axes are sites of " retardation.
- Universal stage measurements often are plotted on this type of stereonet.
- Mineral in first-order red plate.

- 26. Remove the microscope's occular and place a uniaxial crystal between crossed polars. The interference figure is a "____".
- German manufacturer of highquality optics. Rhymes with bytes.
- The last name of Roy's light spectrum.
- German manufacturer of highquality optics.
- First name William; most microscopes have both upper and lower "___".
 Optic "___" contains and is defined
- 35. by the optic axes.
- Two crystal individuals, on either side of a N-S or E-W reflection plane, that appear and extinguish sequentially on rotation of the polarizer.
- The lenses of the common negative oculars are " " oculars.
- Mineral in $\frac{1}{4} \lambda$ plate.