Extra credit

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To:Quarles, William A. <quarlesw@winthrop.edu>;

1. The difference between quartz and calcite is that quartz has no cleavage, whereas calcite breaks along three cleavages.

2. The difference between quartz and feldspar is that quartz breaks uneven fractures , whereas feldspar shows good fracture surfaces.

3. The difference between muscovite and biotite is that muscovite is either colorless, brown, yellow, or white, whereas biotite is glossy black.

4. Mineral cleavage is the tendency for minerals to break along flat, parallel surfaces. There are three ways to describe cleavage; excellent, good, and poor. Excellent cleavage reflects light off in one direction from large surfaces. Good cleavage reflects light in one direction from small surfaces. Poor cleavage reflects light from a small surface that is difficult to detect.

5. Color is not an ideal property to use for identifying silicate minerals because you can have the same mineral and it can be different colors.

6.
Olivine
Pyroxene
Biotite
Amphilbole
Plagioclase feldspar
Potassium feldspar
Muscovite
Quartz