

### Lab Quiz 3 Key

You may use the printed handouts from lab 3, as well as the write-ups you turned in for lab 3. You may perform standard tests including hardness, specific gravity, acid, UV, and magnetism, and may note other properties as appropriate. Hand lenses, hardness kits, and the specific gravity box may be used. **NO OTHER RESOURCES MAY BE USED ON THIS QUIZ.**

4 took quiz - Numbers to the left of the question number in **red** are the number of incorrect responses. Instructor comments are in **blue**.

**Mineral identification – identify each mineral specimen (Be sure to identify the variety of the mineral, if any). Answer any additional questions concerning the specimens (1 pt each).**

**2** 1. Pyrolusite

Name one significant property that helps identify this mineral.

**0.1** 2. Low tenacity -rubs off/ conchoidal fracture **The low tenacity is a major clue**

**2** 3. Chromite

Name one significant property that helps identify this mineral.

**1.4** 4. Vitreous flecks

**1** 5. Hematite, var. fossiliferous

Name one significant property that helps identify this mineral.

**0** 6. Streak color, presence of fossils

Identify each mineral specimen.

**0** 7. Corundum

**3** 8. Cuprite

**2** 9. Ilmenite

**3** 10. Romanchite