

LAB QUIZ 3 KEY

You may use the printed handouts from labs 7, 8 and 9, and the sheets you turned in as well. You may perform standard tests including hardness, specific gravity, acid, UV, and magnetism, and may note other properties as appropriate. **NO OTHER RESOURCES MAY BE USED ON THIS QUIZ.** 1 point per question or identification.

Each of the following minerals should be relatively easy to recognize. They have at least one distinctive property, although these properties are not necessarily obvious. List the mineral name (**including variety, if any**) and one (**do not list more than one**) distinctive property.

	<u>Mineral Name, (variety)</u>	<u>Property</u>
5	1. <u>Gypsum, v. Satin Spar</u>	2 <u>2D not@ 90°, silky</u>
4	2. <u>Calcite, v. Iceland Spar</u>	3 <u>Acid reaction, 3D not@ 90°, double refraction</u>
1	3. (cream-white) <u>Sylvite</u>	3 <u>Bitter, 3D @ 90°</u>
0	4. (blue) <u>Turquoise</u>	0 <u>Blue color/streak, waxy</u>
1	5. <u>Celestite</u>	7 <u>High S.G., 2D @ 90° blue/gray color</u>
7	6. <u>Cerrusite</u>	13 <u>High SG, acid reaction</u>
5	7. (yellow) <u>Wulfenite</u>	10.5 <u>2D not@ 90°, bladed, Yellow-orange</u> SG (not reliable -0.5 pts)
0	8. (green) <u>Wavelite</u>	4 <u>Radiating globular xtals</u>
3	9. <u>Aragonite</u>	5 <u>Acid reaction</u>
0	10. (blue) <u>Azurite</u>	3 <u>Blue color/streak, with malachite</u> <u>Acid reaction</u>

Identify the following hand specimens. (Name and variety, if any) (1 point each)

- 2 11. (green) Variscite
- 0 12. Polyhalite
- 9 13. Huebnerite
- 9 14. Calcite, v. travertine
- 5 15. Anhydrite
- 1 16. Halite
- 1 17. Apatite
- 4 18. Rhodocrosite
- 0 19. Siderite
- 8 20. Gypsum, v. massive