

Canon City Geology Club

INTRODUCTION TO MINERAL IDENTIFICATION
A hands-on lab of basic mineral-identification techniques
Presented by

Dr. Bob Carnein

Saturday, March 30, 2018, 10:00-12:00AM, lunch on your own, resume class 1-2 PM.

Class will be held at: Methodist Fellowship Hall, Corner of 9th and Main St., Canon City (this is the building where we hold our monthly membership meetings).

Dr. Bob Carnein of Florissant has taught mineralogy to students for over 38 years. He will introduce the major properties that are useful for beginners to identify 9 common minerals. These "physical properties" include hardness, cleavage and fracture, luster, streak, reaction to weak acids, and others. When you are finished, you should be able to use the same principles and properties to identify minerals you find in the field. Also, he will explain the Mohs Hardness Scale using a set of the first 9 minerals of the hardness scale to practice on.

This lab is appropriate for all ages 8 through adult; children are encouraged to bring their parents. You must be a member of the CCGC to attend.

You must be a current member of CCGC to take this class.

There is a \$5 fee for this class, payable in advance. Sign-up rosters for this class will be available at CCGC meetings and fees can be paid when you sign up.

If you prefer to register by email the contact person for this class is Dan Inmon. Email address inmond@hotmail.com. If you register by email, please mail your fee to CCGC, P.O.Box 522, Canon City, CO 81215. **Fees and sign ups must be received by March 27th.**

If you have any questions you can reach Dan at 817-428-7904.

Limit of 30 people. Please notify Dan if you have to cancel, so others can get in.

**** Each participant will need to supply his/her own 'test kit', consisting of these items:**

- a small magnet (a refrigerator magnet will work)
- a penny or a nickel
- a pocket knife or steel nail
- a small glass jar or bottle
- a transparent container (jar or bottle) containing vinegar
- a pen or pencil
- a list of minerals of the Mohs hardness scale (just Google it)