

Mineral Ball Project (40 points)

Instructions:

You will be creating a mineral ball in class. Your mineral ball is a 20-sided figure (an icosahedron) that contains facts about your assigned mineral. One side of your ball will have your name; another side will have the name of your assigned mineral. That leaves 18 sides for you to display facts. You will be using the Internet to locate facts about your mineral. I would suggest using a search engine, such as www.google.com, to search for your facts. These websites may also help: www.webmineral.com, www.mindat.org, and <http://www.minerals.net/>. We *may* get some time in class to research. Some of the facts that must be included, and other suggestions, are shown below. **Bring your facts to class (on scratch paper is fine) on Monday, October 5.**

MY MINERAL _____

Facts that MUST be included:

- Chemical formula
- Color
- Luster
- Streak
- Hardness
- Density OR specific gravity (make sure you do the unit correctly)
- Cleavage and fracture (put both of these on one panel)
- Crystal form or shape (crystal system)
- At least one use of the mineral
- Color picture (copy/paste it to Microsoft Word – see me before you print in class)

Other possible suggestions for facts:

- Other uses (up to four total)
- Transparency (diaphaneity)
- Tenacity
- Name origin
- Other varieties of the same mineral
- Group/class
- Where the mineral can be found
- Any special properties (i.e. fluorescence, reactivity, magnetism, radioactivity)
- Any other interesting facts you can find!