

Name _____
Lab Section _____

Lab 4: Mineralogy and Gemology Resources on the Internet

In today's lab you will become familiar with using the internet to find information on minerals and gems. The class web site contains extensive notes and links on individual gem minerals, many of which are birthstones for various months of the year. In addition there is a page of links that take you outside the class website to a variety of sources that contain information on gems, gem and mineral organization, museums, etc. The goal for today is for you to get comfortable with locating and using these resources, which can serve as a valuable reference for everything from gemstone prices to the geology of gem deposits.

The assignment this week is to find and tabulate information about your birthstone. Birthstones for each month are:

<u>Month</u>	<u>Birthstone</u>	<u>Alternative Birthstone</u>
January	Garnet	
February	Amethyst	
March	Aquamarine	Bloodstone
April	Diamond	
May	Emerald	
June	Pearl	Tourmaline
July	Ruby	
August	Peridot	Sardonyx
September	Sapphire	
October	Opal	
November	Topaz	
December	Turquoise	Zircon

Internet Resources

The class web site at <http://www.geo.utexas.edu/347k> can be accessed most easily by typing the address into the appropriate space on your web browser. If you are using a computer in the Geology building, the Department home page (which opens when you open the browser) contains a link to the site under "Courses Online" and the course number "GEO347K". Using the "links" page or the "Gem Notes" pages, find answers to the following for your birthstone.

Your Birthstone _____

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Your Birthstone _____

Hardness _____

Specific Gravity _____

Cleavage (s) _____

Luster _____

Color (s) _____

Crystal System _____

Phenomena (if any) _____

Wholesale gemstone prices for your birthstone - give price per carat for specific carat size, and any information that influences cost (e.g. color, clarity).

Carat Wt. _____ \$/ct _____ Specifics _____

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List below any website URLs, other than the class site, where you obtained information.