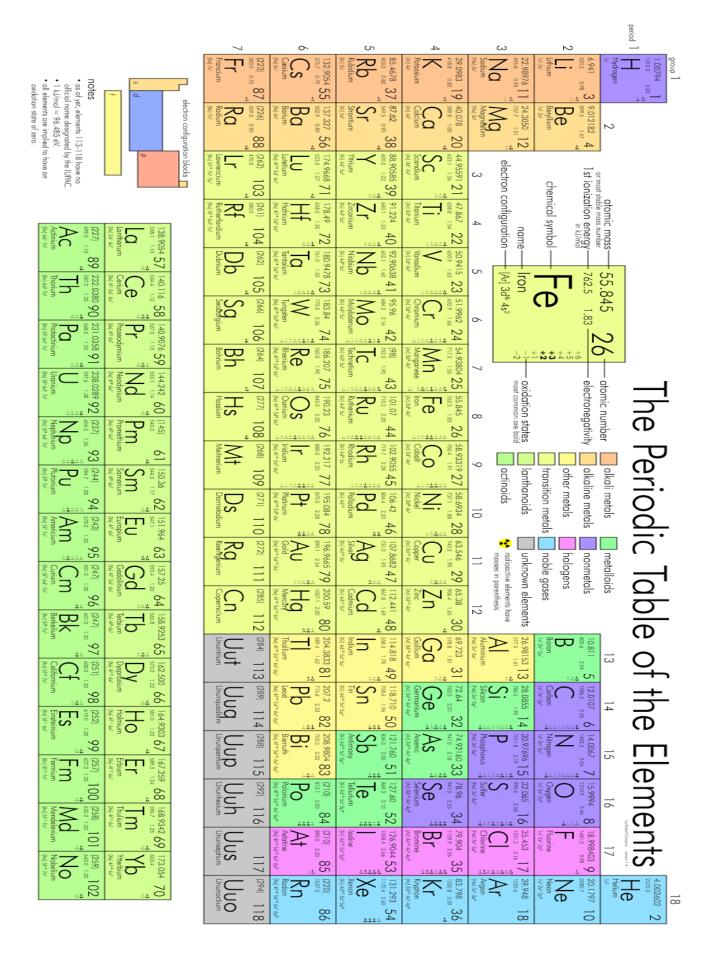
	Name:		
What's in that Mineral? Minerals are made up of either one or more elements. Below is a list of minerals. Fill out the table below to answer questions about these elements. In the metals column list the elements that fall into the Metals group of the periodic table. Do the same for the Non-Metals column. In the "Use" column name at least one common industrial use for the mineral. Use "minerals.net" and "http://ed.ted.om/periodic-videos" for nelp.			
<u>Mineral</u>	Chemical Formula	<u>Metals</u>	Non Metals
Olivine	(Mg,Fe) ₂ SiO ₄	Magnesium, Iron	ilic q, Oxygen
Quartz		and a	
Azurite			
Barite			
Talc			
Diamond			
Corundum			
Calcite			
Fluorite			
Apatite	Man.		

Cuprite

Topaz



Teacher Notes and instructions

- This Google search activity allows students to go to the internet to search for specific minerals and then to use the Periodic Table to discover what the mineral is made out of. This activity usually takes a full 50 minutes for the students to find all of the answers. I usually discuss the answers at the beginning of class on the following day so that they have as much time as needed to find the answers.
- During the discussion, I discuss how cool it is that mankind has been able to use the different elements to its benefit. There are many uses of these minerals that I did not list so be aware that students may have different answers. I discuss that humans have become adept at breaking down minerals into their different chemicals and extracting them. For example, cuprite and chalcopyrite are broken down and then the copper is extracted from it.
- Doing this assignment also allows Earth Science students to use the periodic table to identify minerals that are metals, metalloids or nonmetals.