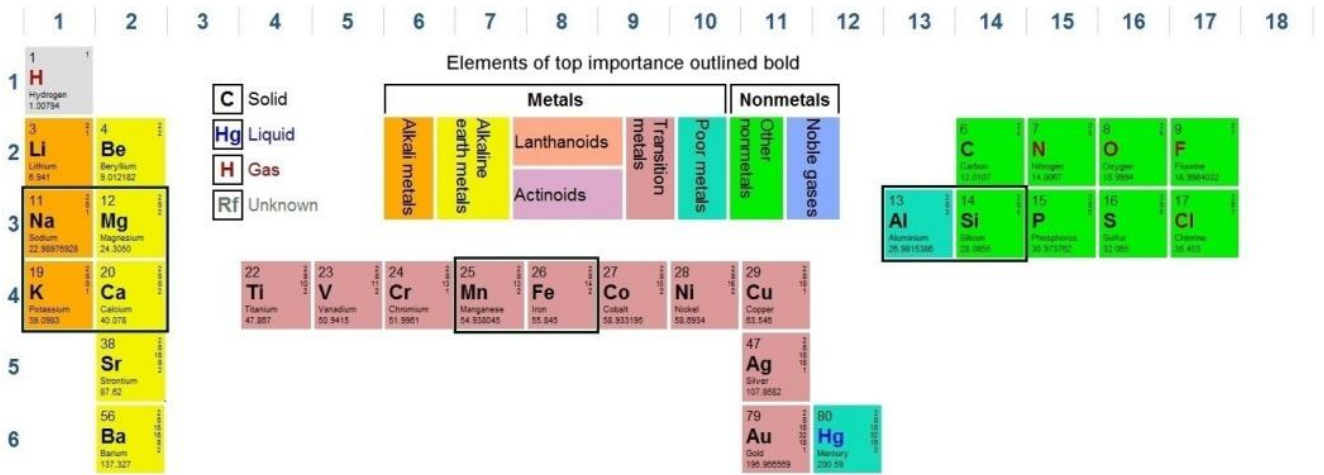


For those interested, I have put up those elements found in or highly probable in the agates, jaspers, and opals. They consist mainly of the top row transitional elements, and those in the groups on either side at the same row or row above. The heavy metals often associated with sulfides are missing because they are not found with these rocks, something that gets confused in the literature when people write that agates can form in acid systems. They don't and form in neutral to alkaline systems. Opals are the exception, forming in any pH environment where silica is released and does not bind to form a mineral. Silica polymerization key to forming agates, requires an alkaline system.

Periodic Table of Agates, Jaspers, Opals



By: Donald Kasper 2-10-2013