

Sulfur Demo

Sulfur element # 16 on periodic table

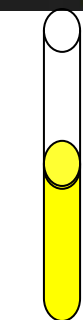
Atomic # 16 means **16 protons (+)**

Electronically neutral means **16 electrons (-)**

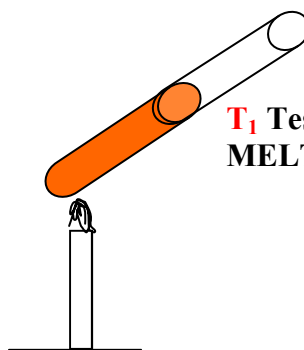
Atomic Mass 32.06 amu = avg. mass of Isotopes

Isotopes- different forms of the same element b/c of mass

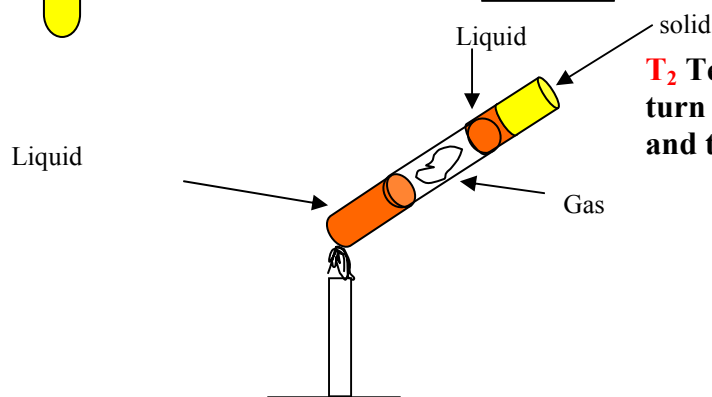
Properties of Sulfur: Yellow, Crystalline solid, nonmetal, shiny, solid, hard, chalky, m.p. 115.21°C, b.p. 444.6°C



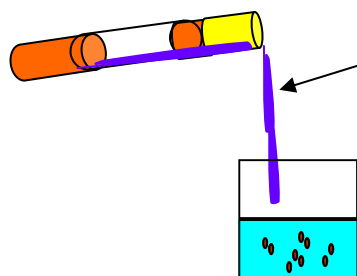
T₀ Test tube with sulfur at bottom



T₁ Test tube is heated and sulfur **MELTS** into an orange red liquid



T₂ Test tube is heated and begins to turn into a gas back into a liquid and then a solid



T₃ Mr Grom ignites molten sulfur and pours into beaker of water. Brownish rubbery solid is formed.