

Describe each of the following:

Mendeleev: organized periodic table by atomic mass

Mosley: organized periodic table by atomic #

Characteristics of metals: high density, luster (shiny)  
malleable (hammered into thin sheets), ductile (drawn into wires)  
good conductors of heat & electricity, Solids @ room T

Characteristics of nonmetals:  
Poor conductors of heat & electricity  
most are gases @ room T, brittle, dull, low melting point

Characteristics of metalloids:  
Characteristics of both metals & nonmetals  
mainly solids, semi-conductors

Label metals, nonmetals, & metalloids on the periodic table below.

