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Alien periodic table answer key

Metals are shiny, malleable, and conduct heat and electricity well, found on the left side of the periodic table. Non-metals are dull, brittle, and poor at conducting, located on the right. The main types of elements include metals, nonmetals, and metalloids, with metals being shiny and conductive, nonmetals dull and brittle, and metalloids in between. Lead has an atomic number of 82, meaning it has 82 protons in its nucleus. For a neutral atom, the number of electrons must equal the number of protons, which would be 82. However, lead actually has 78 electrons, resulting in a net positive charge of +4 (due to losing 4 negatively charged electrons). This imbalance leads to a loss of neutrality and an overall positive charge.