*** Name Origin:**

After the scientist Dmitri Ivanovitch Mendeleyev, who devised the periodic table.

*** Sources:**

Made by bombarding einsteinium with helium ions.

*** Uses:**

None

*** Additional Notes:**

Mendelevium, the ninth transuranium element of the actinide series to be discovered, was first identified by Ghiorso, Harvey, Choppin, Thompson, and Seaborg early in 1955 as a result of the bombardment of the isotope $^{253}$Es with helium ions in the Berkeley 60-inch cyclotron. The isotope produced was $^{256}$Md, which has a half-life of 78 min. This first identification was notable in that $^{256}$Md was synthesized on a one-atom-at-a-time basis. Sixteen isotopes and isomers are now recognized. $^{258}$Md has a half-life of 51.5 days. This isotope has been produced by the bombardment of an isotope of einsteinium with ions of helium. It now appears possible that eventually enough $^{258}$Md can be made so that some of its physical properties can be determined. $^{256}$Md has been used to elucidate some of the chemical properties of mendelevium in aqueous solution. Experiments seem to show that the element possesses a moderately stable dipositive (II) oxidation state in addition to the tripositive (III) oxidation state,which is characteristic of actinide elements.