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Periodic Table: Technetium

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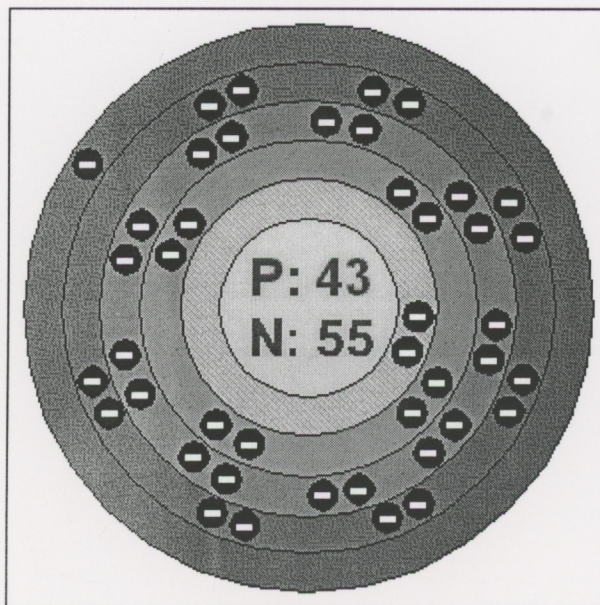
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Basic Information

Name: Technetium**Symbol:** Tc**Atomic Number:** 43**Atomic Mass:** (98.0) amu**Melting Point:** 2200.0 °C (2473.15 °K, 3992.0 °F)**Boiling Point:** 4877.0 °C (5150.15 °K, 8810.6 °F)**Number of Protons/Electrons:** 43**Number of Neutrons:** 55**Classification:** Transition Metal**Crystal Structure:** Hexagonal**Density @ 293 K:** 11.5 g/cm³**Color:** Unknown

Atomic Structure

**Number of Energy Levels:** 5**First Energy****Level:** 2**Second****Energy****Level:** 8**Third Energy****Level:** 18**Fourth****Energy****Level:** 14**Fifth Energy****Level:** 1

Isotopes

Isotope	Half Life
Tc-95	20.0 hours
Tc-95m	61.0 days
Tc-96	4.28 days
Tc-96m	51.5 minutes
Tc-97	2600000.0 years
Tc-97m	90.0 days
Tc-98	4200000.0 years
Tc-99	2.13E7 years
Tc-99m	6.0 hours
Tc-100	14.2 minutes

Facts

Date of Discovery: 1937

Discoverer: Carlo Perrier

Name Origin: From the Greek word *technêtos* (artificial)

Uses: Tc-99m is used for radioactive tracing in medicine

Obtained From: Man-made

Related Links

I currently do not know of any links for Technetium. If you do, please let me know

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