X

DΒ

xeno currency market. See eurocurrency.

**enon. An inert gas which has many *isotopes, both naturally occurring and radioactive. The most important in nuclear reactors is xenon-135, which is produced as a *fission product. It has a very high neutron capture *cross-section and acts as a *reactor poison.

Symbol: Xe; atomic number: 54; atomic weight: 131.3.

X-rays. High-energy *electromagnetic radiation, but less energetic than *gamma radiation, which is emitted from

atoms as the result of changes in electron energy levels.

DB

xylene. An aromatic hydrocarbon, $C_6H_4(CH_3)_2$, in which two of the hydrogen atoms in the *benzene ring have been replaced by methyl groups. It may be obtained by the distillation of coal or by the *catalytic reforming of *straight-run petroleum fractions. It occurs in three isomeric forms (orth-, meta-, and para-) which have similar properties. All are flammable. It has a gross calorific value of $43.4 \,\mathrm{MJ/kg}$.

WG