



BARIUM(BA) (56)

BIRTH/DISCOVERY- DISCOVERED AS BARITE BY
CARL W.SCHEELE IN 1774 AND ISOLATED BY
HUMPHRY DAVY IN 1808

POSITION - GROUP - 2, PERIOD - 6, S - BLOCK

PHYSICAL & CHEMICAL PROPERTIES

DENSITY: 2.09 OUNCES/3.62G

PHASE AT ROOM TEMP.: SOLID

MELTING POINT: 727C

BOILING POINT: 1,845C

OXIDATION STATE +2

CONFIGURATION - [XE]6S2

WEIGHT - 56, ATOMIC RADIUS - 286PM

ISOTOPES

NATURAL - 7

MOST COMMON - BA138

MORE THAN 30 RADIOACTIV

ISOTOPES OF BARIUM ARE

KNOWN, WITH MASS NUMBER

RANGING FROM 114 - 153

EXAMPLE: BA137M



USAGE

- NOT EXTENSIVELY USED

- USED IN DRILLING AND

GAS WELLS

- USED TO DIAGNOSE

DIGESTIVE DISORDERS

- USED AS RAT POISON

- USED IN FIREWORK

- USED TO MAKE PAINTS



UNIQUENESS

QUOTIENT

- READILY OXIDISES

AND FORMS GREY

COATING

SPECIAL COMPOUNDS

- BA(N3)2

- BA12

- BAMNO4

- REBCO

- YBCO