|  |  |  |
| --- | --- | --- |
| [Actinium](http://education.jlab.org/itselemental/ele089.html) | [Ac](http://education.jlab.org/itselemental/ele089.html) | [89](http://education.jlab.org/itselemental/ele089.html) |
| [Aluminum](http://education.jlab.org/itselemental/ele013.html) | [Al](http://education.jlab.org/itselemental/ele013.html) | [13](http://education.jlab.org/itselemental/ele013.html) |
| [Americium](http://education.jlab.org/itselemental/ele095.html) | [Am](http://education.jlab.org/itselemental/ele095.html) | [95](http://education.jlab.org/itselemental/ele095.html) |
| [Antimony](http://education.jlab.org/itselemental/ele051.html) | [Sb](http://education.jlab.org/itselemental/ele051.html) | [51](http://education.jlab.org/itselemental/ele051.html) |
| [Argon](http://education.jlab.org/itselemental/ele018.html) | [Ar](http://education.jlab.org/itselemental/ele018.html) | [18](http://education.jlab.org/itselemental/ele018.html) |
| [Arsenic](http://education.jlab.org/itselemental/ele033.html) | [As](http://education.jlab.org/itselemental/ele033.html) | [33](http://education.jlab.org/itselemental/ele033.html) |
| [Astatine](http://education.jlab.org/itselemental/ele085.html) | [At](http://education.jlab.org/itselemental/ele085.html) | [85](http://education.jlab.org/itselemental/ele085.html) |
| [Barium](http://education.jlab.org/itselemental/ele056.html) | [Ba](http://education.jlab.org/itselemental/ele056.html) | [56](http://education.jlab.org/itselemental/ele056.html) |
| [Berkelium](http://education.jlab.org/itselemental/ele097.html) | [Bk](http://education.jlab.org/itselemental/ele097.html) | [97](http://education.jlab.org/itselemental/ele097.html) |
| [Beryllium](http://education.jlab.org/itselemental/ele004.html) | [Be](http://education.jlab.org/itselemental/ele004.html) | [4](http://education.jlab.org/itselemental/ele004.html) |
| [Bismuth](http://education.jlab.org/itselemental/ele083.html) | [Bi](http://education.jlab.org/itselemental/ele083.html) | [83](http://education.jlab.org/itselemental/ele083.html) |
| [Bohrium](http://education.jlab.org/itselemental/ele107.html) | [Bh](http://education.jlab.org/itselemental/ele107.html) | [107](http://education.jlab.org/itselemental/ele107.html) |
| [Boron](http://education.jlab.org/itselemental/ele005.html) | [B](http://education.jlab.org/itselemental/ele005.html) | [5](http://education.jlab.org/itselemental/ele005.html) |
| [Bromine](http://education.jlab.org/itselemental/ele035.html) | [Br](http://education.jlab.org/itselemental/ele035.html) | [35](http://education.jlab.org/itselemental/ele035.html) |
| [Cadmium](http://education.jlab.org/itselemental/ele048.html) | [Cd](http://education.jlab.org/itselemental/ele048.html) | [48](http://education.jlab.org/itselemental/ele048.html) |
| [Calcium](http://education.jlab.org/itselemental/ele020.html) | [Ca](http://education.jlab.org/itselemental/ele020.html) | [20](http://education.jlab.org/itselemental/ele020.html) |
| [Californium](http://education.jlab.org/itselemental/ele098.html) | [Cf](http://education.jlab.org/itselemental/ele098.html) | [98](http://education.jlab.org/itselemental/ele098.html) |
| [Carbon](http://education.jlab.org/itselemental/ele006.html) | [C](http://education.jlab.org/itselemental/ele006.html) | [6](http://education.jlab.org/itselemental/ele006.html) |
| [Cerium](http://education.jlab.org/itselemental/ele058.html) | [Ce](http://education.jlab.org/itselemental/ele058.html) | [58](http://education.jlab.org/itselemental/ele058.html) |
| [Cesium](http://education.jlab.org/itselemental/ele055.html) | [Cs](http://education.jlab.org/itselemental/ele055.html) | [55](http://education.jlab.org/itselemental/ele055.html) |
| [Chlorine](http://education.jlab.org/itselemental/ele017.html) | [Cl](http://education.jlab.org/itselemental/ele017.html) | [17](http://education.jlab.org/itselemental/ele017.html) |
| [Chromium](http://education.jlab.org/itselemental/ele024.html) | [Cr](http://education.jlab.org/itselemental/ele024.html) | [24](http://education.jlab.org/itselemental/ele024.html) |
| [Cobalt](http://education.jlab.org/itselemental/ele027.html) | [Co](http://education.jlab.org/itselemental/ele027.html) | [27](http://education.jlab.org/itselemental/ele027.html) |
| [Copernicium](http://education.jlab.org/itselemental/ele112.html) | [Cn](http://education.jlab.org/itselemental/ele112.html) | [112](http://education.jlab.org/itselemental/ele112.html) |
| [Copper](http://education.jlab.org/itselemental/ele029.html) | [Cu](http://education.jlab.org/itselemental/ele029.html) | [29](http://education.jlab.org/itselemental/ele029.html) |
| [Curium](http://education.jlab.org/itselemental/ele096.html) | [Cm](http://education.jlab.org/itselemental/ele096.html) | [96](http://education.jlab.org/itselemental/ele096.html) |
| [Darmstadtium](http://education.jlab.org/itselemental/ele110.html) | [Ds](http://education.jlab.org/itselemental/ele110.html) | [110](http://education.jlab.org/itselemental/ele110.html) |
| [Dubnium](http://education.jlab.org/itselemental/ele105.html) | [Db](http://education.jlab.org/itselemental/ele105.html) | [105](http://education.jlab.org/itselemental/ele105.html) |
| [Dysprosium](http://education.jlab.org/itselemental/ele066.html) | [Dy](http://education.jlab.org/itselemental/ele066.html) | [66](http://education.jlab.org/itselemental/ele066.html) |
| [Einsteinium](http://education.jlab.org/itselemental/ele099.html) | [Es](http://education.jlab.org/itselemental/ele099.html) | [99](http://education.jlab.org/itselemental/ele099.html) |
| [Erbium](http://education.jlab.org/itselemental/ele068.html) | [Er](http://education.jlab.org/itselemental/ele068.html) | [68](http://education.jlab.org/itselemental/ele068.html) |
| [Europium](http://education.jlab.org/itselemental/ele063.html) | [Eu](http://education.jlab.org/itselemental/ele063.html) | [63](http://education.jlab.org/itselemental/ele063.html) |
| [Fermium](http://education.jlab.org/itselemental/ele100.html) | [Fm](http://education.jlab.org/itselemental/ele100.html) | [100](http://education.jlab.org/itselemental/ele100.html) |
| [Flerovium](http://education.jlab.org/itselemental/ele114.html) | [Fl](http://education.jlab.org/itselemental/ele114.html) | [114](http://education.jlab.org/itselemental/ele114.html) |
| [Fluorine](http://education.jlab.org/itselemental/ele009.html) | [F](http://education.jlab.org/itselemental/ele009.html) | [9](http://education.jlab.org/itselemental/ele009.html) |
| [Francium](http://education.jlab.org/itselemental/ele087.html) | [Fr](http://education.jlab.org/itselemental/ele087.html) | [87](http://education.jlab.org/itselemental/ele087.html) |
| [Gadolinium](http://education.jlab.org/itselemental/ele064.html) | [Gd](http://education.jlab.org/itselemental/ele064.html) | [64](http://education.jlab.org/itselemental/ele064.html) |
| [Gallium](http://education.jlab.org/itselemental/ele031.html) | [Ga](http://education.jlab.org/itselemental/ele031.html) | [31](http://education.jlab.org/itselemental/ele031.html) |
| [Germanium](http://education.jlab.org/itselemental/ele032.html) | [Ge](http://education.jlab.org/itselemental/ele032.html) | [32](http://education.jlab.org/itselemental/ele032.html) |
| [Gold](http://education.jlab.org/itselemental/ele079.html) | [Au](http://education.jlab.org/itselemental/ele079.html) | [79](http://education.jlab.org/itselemental/ele079.html) |
| [Hafnium](http://education.jlab.org/itselemental/ele072.html) | [Hf](http://education.jlab.org/itselemental/ele072.html) | [72](http://education.jlab.org/itselemental/ele072.html) |
| [Hassium](http://education.jlab.org/itselemental/ele108.html) | [Hs](http://education.jlab.org/itselemental/ele108.html) | [108](http://education.jlab.org/itselemental/ele108.html) |
| [Helium](http://education.jlab.org/itselemental/ele002.html) | [He](http://education.jlab.org/itselemental/ele002.html) | [2](http://education.jlab.org/itselemental/ele002.html) |
| [Holmium](http://education.jlab.org/itselemental/ele067.html) | [Ho](http://education.jlab.org/itselemental/ele067.html) | [67](http://education.jlab.org/itselemental/ele067.html) |
| [Hydrogen](http://education.jlab.org/itselemental/ele001.html) | [H](http://education.jlab.org/itselemental/ele001.html) | [1](http://education.jlab.org/itselemental/ele001.html) |
| [Indium](http://education.jlab.org/itselemental/ele049.html) | [In](http://education.jlab.org/itselemental/ele049.html) | [49](http://education.jlab.org/itselemental/ele049.html) |
| [Iodine](http://education.jlab.org/itselemental/ele053.html) | [I](http://education.jlab.org/itselemental/ele053.html) | [53](http://education.jlab.org/itselemental/ele053.html) |
| [Iridium](http://education.jlab.org/itselemental/ele077.html) | [Ir](http://education.jlab.org/itselemental/ele077.html) | [77](http://education.jlab.org/itselemental/ele077.html) |
| [Iron](http://education.jlab.org/itselemental/ele026.html) | [Fe](http://education.jlab.org/itselemental/ele026.html) | [26](http://education.jlab.org/itselemental/ele026.html) |
| [Krypton](http://education.jlab.org/itselemental/ele036.html) | [Kr](http://education.jlab.org/itselemental/ele036.html) | [36](http://education.jlab.org/itselemental/ele036.html) |
| [Lanthanum](http://education.jlab.org/itselemental/ele057.html) | [La](http://education.jlab.org/itselemental/ele057.html) | [57](http://education.jlab.org/itselemental/ele057.html) |
| [Lawrencium](http://education.jlab.org/itselemental/ele103.html) | [Lr](http://education.jlab.org/itselemental/ele103.html) | [103](http://education.jlab.org/itselemental/ele103.html) |
| [Lead](http://education.jlab.org/itselemental/ele082.html) | [Pb](http://education.jlab.org/itselemental/ele082.html) | [82](http://education.jlab.org/itselemental/ele082.html) |
| [Lithium](http://education.jlab.org/itselemental/ele003.html) | [Li](http://education.jlab.org/itselemental/ele003.html) | [3](http://education.jlab.org/itselemental/ele003.html) |
| [Livermorium](http://education.jlab.org/itselemental/ele116.html) | [Lv](http://education.jlab.org/itselemental/ele116.html) | [116](http://education.jlab.org/itselemental/ele116.html) |
| [Lutetium](http://education.jlab.org/itselemental/ele071.html) | [Lu](http://education.jlab.org/itselemental/ele071.html) | [71](http://education.jlab.org/itselemental/ele071.html) |
| [Magnesium](http://education.jlab.org/itselemental/ele012.html) | [Mg](http://education.jlab.org/itselemental/ele012.html) | [12](http://education.jlab.org/itselemental/ele012.html) |
| [Manganese](http://education.jlab.org/itselemental/ele025.html) | [Mn](http://education.jlab.org/itselemental/ele025.html) | [25](http://education.jlab.org/itselemental/ele025.html) |
| [Meitnerium](http://education.jlab.org/itselemental/ele109.html) | [Mt](http://education.jlab.org/itselemental/ele109.html) | [109](http://education.jlab.org/itselemental/ele109.html) |
| [Mendelevium](http://education.jlab.org/itselemental/ele101.html) | [Md](http://education.jlab.org/itselemental/ele101.html) | [101](http://education.jlab.org/itselemental/ele101.html) |
| [Mercury](http://education.jlab.org/itselemental/ele080.html) | [Hg](http://education.jlab.org/itselemental/ele080.html) | [80](http://education.jlab.org/itselemental/ele080.html) |
| [Molybdenum](http://education.jlab.org/itselemental/ele042.html) | [Mo](http://education.jlab.org/itselemental/ele042.html) | [42](http://education.jlab.org/itselemental/ele042.html) |
| [Neodymium](http://education.jlab.org/itselemental/ele060.html) | [Nd](http://education.jlab.org/itselemental/ele060.html) | [60](http://education.jlab.org/itselemental/ele060.html) |
| [Neon](http://education.jlab.org/itselemental/ele010.html) | [Ne](http://education.jlab.org/itselemental/ele010.html) | [10](http://education.jlab.org/itselemental/ele010.html) |
| [Neptunium](http://education.jlab.org/itselemental/ele093.html) | [Np](http://education.jlab.org/itselemental/ele093.html) | [93](http://education.jlab.org/itselemental/ele093.html) |
| [Nickel](http://education.jlab.org/itselemental/ele028.html) | [Ni](http://education.jlab.org/itselemental/ele028.html) | [28](http://education.jlab.org/itselemental/ele028.html) |
| [Niobium](http://education.jlab.org/itselemental/ele041.html) | [Nb](http://education.jlab.org/itselemental/ele041.html) | [41](http://education.jlab.org/itselemental/ele041.html) |
| [Nitrogen](http://education.jlab.org/itselemental/ele007.html) | [N](http://education.jlab.org/itselemental/ele007.html) | [7](http://education.jlab.org/itselemental/ele007.html) |
| [Nobelium](http://education.jlab.org/itselemental/ele102.html) | [No](http://education.jlab.org/itselemental/ele102.html) | [102](http://education.jlab.org/itselemental/ele102.html) |
| [Osmium](http://education.jlab.org/itselemental/ele076.html) | [Os](http://education.jlab.org/itselemental/ele076.html) | [76](http://education.jlab.org/itselemental/ele076.html) |
| [Oxygen](http://education.jlab.org/itselemental/ele008.html) | [O](http://education.jlab.org/itselemental/ele008.html) | [8](http://education.jlab.org/itselemental/ele008.html) |
| [Palladium](http://education.jlab.org/itselemental/ele046.html) | [Pd](http://education.jlab.org/itselemental/ele046.html) | [46](http://education.jlab.org/itselemental/ele046.html) |
| [Phosphorus](http://education.jlab.org/itselemental/ele015.html) | [P](http://education.jlab.org/itselemental/ele015.html) | [15](http://education.jlab.org/itselemental/ele015.html) |
| [Platinum](http://education.jlab.org/itselemental/ele078.html) | [Pt](http://education.jlab.org/itselemental/ele078.html) | [78](http://education.jlab.org/itselemental/ele078.html) |
| [Plutonium](http://education.jlab.org/itselemental/ele094.html) | [Pu](http://education.jlab.org/itselemental/ele094.html) | [94](http://education.jlab.org/itselemental/ele094.html) |
| [Polonium](http://education.jlab.org/itselemental/ele084.html) | [Po](http://education.jlab.org/itselemental/ele084.html) | [84](http://education.jlab.org/itselemental/ele084.html) |
| [Potassium](http://education.jlab.org/itselemental/ele019.html) | [K](http://education.jlab.org/itselemental/ele019.html) | [19](http://education.jlab.org/itselemental/ele019.html) |
| [Praseodymium](http://education.jlab.org/itselemental/ele059.html) | [Pr](http://education.jlab.org/itselemental/ele059.html) | [59](http://education.jlab.org/itselemental/ele059.html) |
| [Promethium](http://education.jlab.org/itselemental/ele061.html) | [Pm](http://education.jlab.org/itselemental/ele061.html) | [61](http://education.jlab.org/itselemental/ele061.html) |
| [Protactinium](http://education.jlab.org/itselemental/ele091.html) | [Pa](http://education.jlab.org/itselemental/ele091.html) | [91](http://education.jlab.org/itselemental/ele091.html) |
| [Radium](http://education.jlab.org/itselemental/ele088.html) | [Ra](http://education.jlab.org/itselemental/ele088.html) | [88](http://education.jlab.org/itselemental/ele088.html) |
| [Radon](http://education.jlab.org/itselemental/ele086.html) | [Rn](http://education.jlab.org/itselemental/ele086.html) | [86](http://education.jlab.org/itselemental/ele086.html) |
| [Rhenium](http://education.jlab.org/itselemental/ele075.html) | [Re](http://education.jlab.org/itselemental/ele075.html) | [75](http://education.jlab.org/itselemental/ele075.html) |
| [Rhodium](http://education.jlab.org/itselemental/ele045.html) | [Rh](http://education.jlab.org/itselemental/ele045.html) | [45](http://education.jlab.org/itselemental/ele045.html) |
| [Roentgenium](http://education.jlab.org/itselemental/ele111.html) | [Rg](http://education.jlab.org/itselemental/ele111.html) | [111](http://education.jlab.org/itselemental/ele111.html) |
| [Rubidium](http://education.jlab.org/itselemental/ele037.html) | [Rb](http://education.jlab.org/itselemental/ele037.html) | [37](http://education.jlab.org/itselemental/ele037.html) |
| [Ruthenium](http://education.jlab.org/itselemental/ele044.html) | [Ru](http://education.jlab.org/itselemental/ele044.html) | [44](http://education.jlab.org/itselemental/ele044.html) |
| [Rutherfordium](http://education.jlab.org/itselemental/ele104.html) | [Rf](http://education.jlab.org/itselemental/ele104.html) | [104](http://education.jlab.org/itselemental/ele104.html) |
| [Samarium](http://education.jlab.org/itselemental/ele062.html) | [Sm](http://education.jlab.org/itselemental/ele062.html) | [62](http://education.jlab.org/itselemental/ele062.html) |
| [Scandium](http://education.jlab.org/itselemental/ele021.html) | [Sc](http://education.jlab.org/itselemental/ele021.html) | [21](http://education.jlab.org/itselemental/ele021.html) |
| [Seaborgium](http://education.jlab.org/itselemental/ele106.html) | [Sg](http://education.jlab.org/itselemental/ele106.html) | [106](http://education.jlab.org/itselemental/ele106.html) |
| [Selenium](http://education.jlab.org/itselemental/ele034.html) | [Se](http://education.jlab.org/itselemental/ele034.html) | [34](http://education.jlab.org/itselemental/ele034.html) |
| [Silicon](http://education.jlab.org/itselemental/ele014.html) | [Si](http://education.jlab.org/itselemental/ele014.html) | [14](http://education.jlab.org/itselemental/ele014.html) |
| [Silver](http://education.jlab.org/itselemental/ele047.html) | [Ag](http://education.jlab.org/itselemental/ele047.html) | [47](http://education.jlab.org/itselemental/ele047.html) |
| [Sodium](http://education.jlab.org/itselemental/ele011.html) | [Na](http://education.jlab.org/itselemental/ele011.html) | [11](http://education.jlab.org/itselemental/ele011.html) |
| [Strontium](http://education.jlab.org/itselemental/ele038.html) | [Sr](http://education.jlab.org/itselemental/ele038.html) | [38](http://education.jlab.org/itselemental/ele038.html) |
| [Sulfur](http://education.jlab.org/itselemental/ele016.html) | [S](http://education.jlab.org/itselemental/ele016.html) | [16](http://education.jlab.org/itselemental/ele016.html) |
| [Tantalum](http://education.jlab.org/itselemental/ele073.html) | [Ta](http://education.jlab.org/itselemental/ele073.html) | [73](http://education.jlab.org/itselemental/ele073.html) |
| [Technetium](http://education.jlab.org/itselemental/ele043.html) | [Tc](http://education.jlab.org/itselemental/ele043.html) | [43](http://education.jlab.org/itselemental/ele043.html) |
| [Tellurium](http://education.jlab.org/itselemental/ele052.html) | [Te](http://education.jlab.org/itselemental/ele052.html) | [52](http://education.jlab.org/itselemental/ele052.html) |
| [Terbium](http://education.jlab.org/itselemental/ele065.html) | [Tb](http://education.jlab.org/itselemental/ele065.html) | [65](http://education.jlab.org/itselemental/ele065.html) |
| [Thallium](http://education.jlab.org/itselemental/ele081.html) | [Tl](http://education.jlab.org/itselemental/ele081.html) | [81](http://education.jlab.org/itselemental/ele081.html) |
| [Thorium](http://education.jlab.org/itselemental/ele090.html) | [Th](http://education.jlab.org/itselemental/ele090.html) | [90](http://education.jlab.org/itselemental/ele090.html) |
| [Thulium](http://education.jlab.org/itselemental/ele069.html) | [Tm](http://education.jlab.org/itselemental/ele069.html) | [69](http://education.jlab.org/itselemental/ele069.html) |
| [Tin](http://education.jlab.org/itselemental/ele050.html) | [Sn](http://education.jlab.org/itselemental/ele050.html) | [50](http://education.jlab.org/itselemental/ele050.html) |
| [Titanium](http://education.jlab.org/itselemental/ele022.html) | [Ti](http://education.jlab.org/itselemental/ele022.html) | [22](http://education.jlab.org/itselemental/ele022.html) |
| [Tungsten](http://education.jlab.org/itselemental/ele074.html) | [W](http://education.jlab.org/itselemental/ele074.html) | [74](http://education.jlab.org/itselemental/ele074.html) |
| [Ununoctium](http://education.jlab.org/itselemental/ele118.html) | [Uuo](http://education.jlab.org/itselemental/ele118.html) | [118](http://education.jlab.org/itselemental/ele118.html) |
| [Ununpentium](http://education.jlab.org/itselemental/ele115.html) | [Uup](http://education.jlab.org/itselemental/ele115.html) | [115](http://education.jlab.org/itselemental/ele115.html) |
| [Ununseptium](http://education.jlab.org/itselemental/ele117.html) | [Uus](http://education.jlab.org/itselemental/ele117.html) | [117](http://education.jlab.org/itselemental/ele117.html) |
| [Ununtrium](http://education.jlab.org/itselemental/ele113.html) | [Uut](http://education.jlab.org/itselemental/ele113.html) | [113](http://education.jlab.org/itselemental/ele113.html) |
| [Uranium](http://education.jlab.org/itselemental/ele092.html) | [U](http://education.jlab.org/itselemental/ele092.html) | [92](http://education.jlab.org/itselemental/ele092.html) |
| [Vanadium](http://education.jlab.org/itselemental/ele023.html) | [V](http://education.jlab.org/itselemental/ele023.html) | [23](http://education.jlab.org/itselemental/ele023.html) |
| [Xenon](http://education.jlab.org/itselemental/ele054.html) | [Xe](http://education.jlab.org/itselemental/ele054.html) | [54](http://education.jlab.org/itselemental/ele054.html) |
| [Ytterbium](http://education.jlab.org/itselemental/ele070.html) | [Yb](http://education.jlab.org/itselemental/ele070.html) | [70](http://education.jlab.org/itselemental/ele070.html) |
| [Yttrium](http://education.jlab.org/itselemental/ele039.html) | [Y](http://education.jlab.org/itselemental/ele039.html) | [39](http://education.jlab.org/itselemental/ele039.html) |
| [Zinc](http://education.jlab.org/itselemental/ele030.html) | [Zn](http://education.jlab.org/itselemental/ele030.html) | [30](http://education.jlab.org/itselemental/ele030.html) |
| [Zirconium](http://education.jlab.org/itselemental/ele040.html) | [Zr](http://education.jlab.org/itselemental/ele040.html) | [40](http://education.jlab.org/itselemental/ele040.html) |