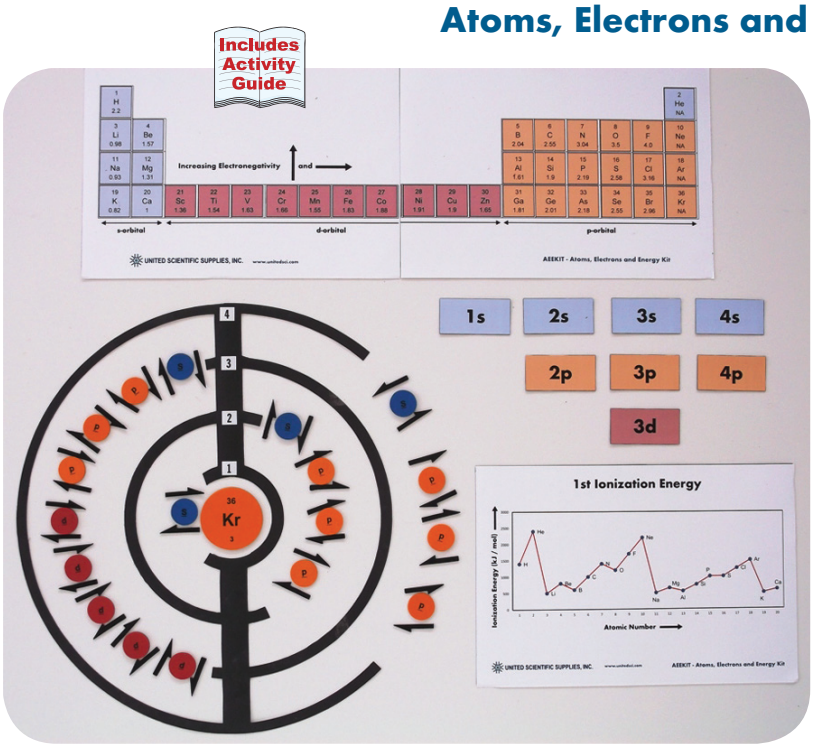
UNITED SCIENTIFIC SUPPLIES, INC.

Atoms, Electrons and Energy Kit



It can be challenging to learn the atomic structure of elements and how such structure leads to trends in the periodic table. Teachers using visual and tactile models can overcome the abstract nature of the subject matter and greatly enhance student conceptualization.

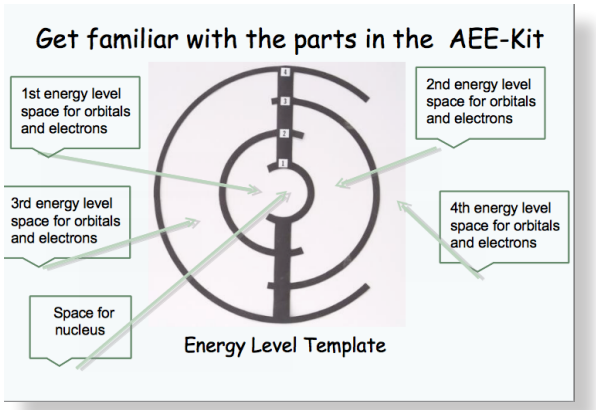
This kit contains materials representing atomic structures and electron arrangement within elements. It also provides materials necessary to demonstrate how atomic arrangement relates to placement in the periodic table of elements. The kit was developed by experienced chemistry teachers and has been refined and tested to meet your needs.

The kit contains an energy level template, and enough nuclear areas, orbitals (s,p,d) and electrons to represent the first 36 elements. Each nucleus and orbital is color coded to match a large periodic chart depicting trends in electron orbital arrangement and electronegativity. Also included is a large 1st ionization energy chart for these 36 elements.

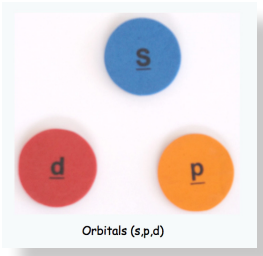
Science standards expect students to identify and explain periodic trends, including atomic and ionic radii, electronegativity, and ionization energy. The United AEEKIT is designed to do just this! All manipulatives in the teacher demonstration kit are magnetic, colorful, reusable and easily seen from the back of the classroom.

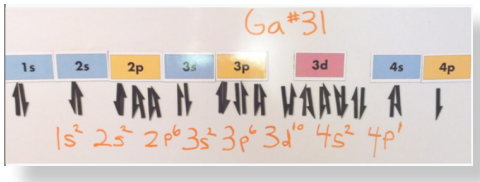
Also included are ten sets of smaller, reusable student manipulatives suitable for a class of 30 students.

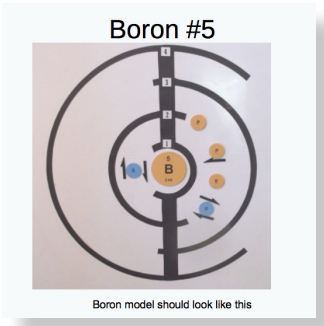
An included instructional CD and teaching manual will walk you through using the kit for the first time in an easy, familiar and pictorial slide show fashion. This is a complete package, fun to use and will save you time and frustration!

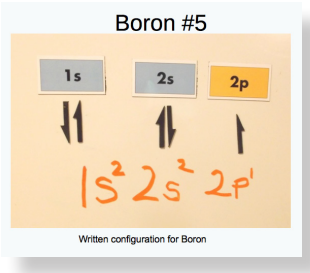


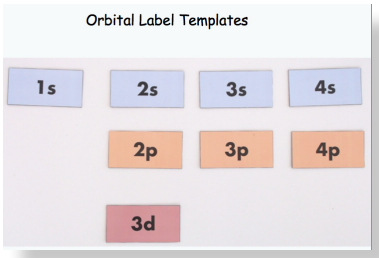
Item No.	Description
AEEKIT	Atoms, Electrons and Energy Kit











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