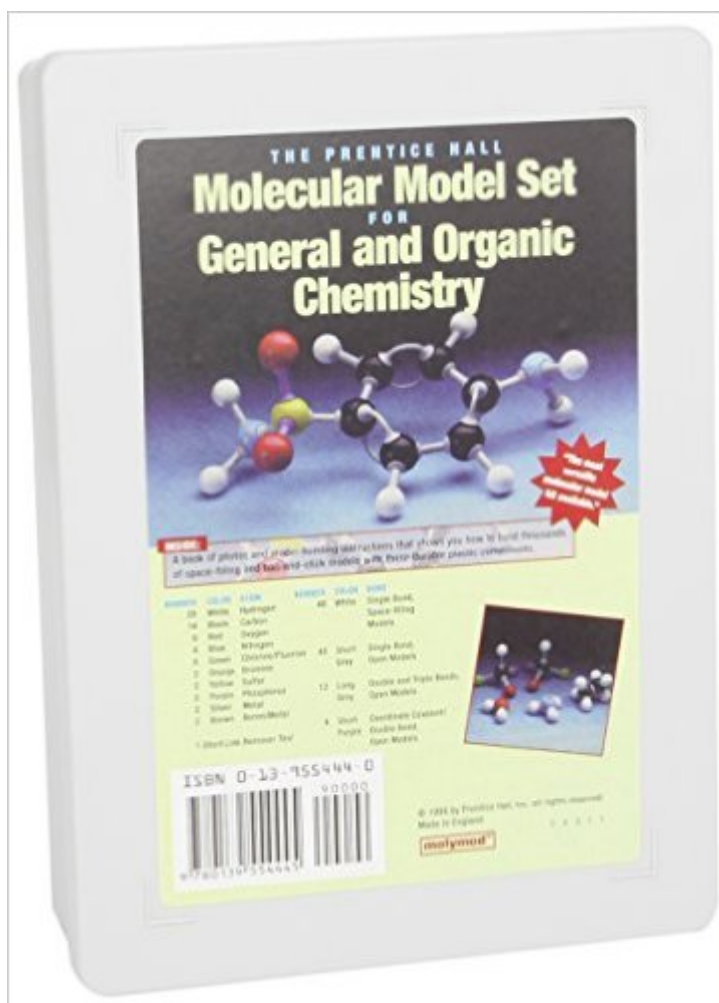


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# Prentice Hall Molecular Model Set For General And Organic Chemistry



## Synopsis

Designed for general chemistry courses that consider a lot of organic examples, or for students who plan to continue in organic chemistry. This molecular model set can be used to construct realistic scale models illustrating the molecular structures of many thousands of compounds. With it one can build molecular models of representative compounds.

## Book Information

Misc. Supplies

Publisher: Pearson; 1 edition (September 15, 1997)

Language: English

ISBN-10: 0139554440

ISBN-13: 978-0139554445

Product Dimensions: 6.6 x 2.3 x 9.1 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 stars [See all reviews](#) (64 customer reviews)

Best Sellers Rank: #32,256 in Books (See Top 100 in Books) #5 in [Books > Science & Math > Chemistry > Molecular Chemistry](#) #41 in [Books > Science & Math > Chemistry > Organic](#) #100 in [Books > Science & Math > Chemistry > General & Reference](#)

## Customer Reviews

Since the cover is difficult to decipher, the General and Organic molecular model set contains:

28 White(H) one-hole  
14 Black(C) four-hole [tetrahedral]  
8 Red(O) two-hole [angular]  
4 Blue(N) four-hole [tetrahedral]  
8 Green(Cl/F) one-hole  
2 Orange(Br) one-hole  
2 Yellow(S/metal) four-hole [tetrahedral]  
2 Purple(P/I) four-hole [tetrahedral]  
2 Brown(B/metal) five-hole [trigonal bipyramidal]  
2 Silver(metal) six-hole [octahedral]  
40 Single Bond (space-fill)  
40 Single Bond (Ball/Stick)  
12 Double/Triple Bond  
4 S=O  
P=O Double Bond/lone pairs

although mine came with a few extra of the bonds (unless I miscounted)  
Tool for prying apart space-fill models and a booklet which contains helpful pointers for constructing angular, tetrahedral, trigonal bipyramidal, octahedral, linear, trigonal pyramidal, trigonal planar, square planar, and other molecular geometries. Different sizes of the atoms are close to scale at:  
Space-fill: approx. 1.7cm/100pm  
Ball/Stick: approx. 2.8cm/100pm  
I bought two sets and mixed them together to make up for the lack of Carbon and Nitrogen, at least now I can experiment with nucleotides! :)  
The downside (if it is a downside) to this kit is the difficulty of snapping together the bonds. At first some of the bonds are EXTREMELY hard to snap in, but after working with this set for a while they "loosen" up a bit. The advantage to this is that I've actually

accidentally dropped a molecule and cringed thinking about trying to find all those atoms after impact ... but it held together! Not a single atom came loose, not even a Hydrogen! I've had kits in the past where part of the molecule falls apart while you're working on the other side, but not with this set.

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