Deluxe Kit vs. Student Kit: A Comparison

Solid-State Model Kits: Two Kits, One Instruction Manual

➤ How Do the Kits Differ?

This Instruction Manual is designed for use with both ICE Solid State Model Kits—Deluxe and Student. How do these kits differ? *The primary difference is the number of spheres and rods included,* which influences the number and size of the structures you can build.

Deluxe Kit: build > 80 different solid state structures—every structure shown in this manual. In a very few cases, only a unit cell can be built with one kit

***One* Student Kit:** build > 60 different structures; however:

***Two* Student Kits:** build more structures *simultaneously* than with one Deluxe Kit

There are two ways to build all the structures in this manual:

1. combine the contents of two Student Kits
2. use one Deluxe Kit

Note that you can divide one Deluxe Kit between two groups of students.

➤ Compare Contents of the Two Kits

Kit Version	# Different Structures	Base Plates	Metal Rods	Templates	Colorless Spheres	Green Spheres	Blue Spheres	Pink Spheres	Yellow Spheres	Spacer Tubing, package	Instruction Manual
Deluxe	> 80	2	39	15	56	39	44	39	17	1	1
Student	> 60	2	27	15	27	19	22	32	–	1	1

Replacement parts are available for purchase at the ICE Store (https://icestore.chem.wisc.edu/products/replacement-parts)

➤ Which Structures Require a Deluxe Kit or Two Student Kits?

The symbol ② occasionally appears in the directions for a structure (as well as in the Table of Contents and Index). The ② indicates that the structure requires more spheres and/or rods than are contained in one Student Kit. These structures are listed below; the directions for building them are on the pages listed.

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