









## Quick Start Guide for Molecule World on the iPhone

1. Open Molecule World on the iPhone.
2. Practice moving and resizing a structure.
  - Drag **two** fingers across the screen to **move** the structure.
  - Drag **one** finger to **rotate** the structure.
  - Spread **two** fingers apart to make the structure **larger**.
  - Pinch **two** fingers together to make the structure **smaller**.
3. Touch all the buttons or icons on the screen to see what each menu controls and how the structure changes when you touch the buttons. Touch the middle of the screen to make menus close.

### Icons

	List	Open a list of structures or search for and download new structures from three databases (PubChem, MMDB, PDB).
	Structure info	View the complete title and number of atoms in a structure.
	Select or control visibility	Select one or more kinds of molecule to highlight and modify. Control the visibility of atoms in side chains.
	Visualization	Change drawing styles (Ball & Stick, Spacefill, Tubes) or coloring styles (Element, Residue, Charge, Hydrophobicity, Molecule, Rainbow, Neutral). Restore the structure to the original state.
	Rotate	Start or stop rotation.
	Image capture	Capture and share images
	Color Key	Display keys for Elements, Residue, Charge, or Hydrophobicity when those visualization options have been chosen.
	Info	Links to Digital World Biology for more information.

### Finding and loading structures

1. Touch the list icon to see a list of structures.
2. Touch any structure in the list to see it displayed on the screen.
3. Touch the + icon to open a search menu.

4. To find a structure, type a word (like “aspirin” or “DNA”) or a PDB or PubChem accession number.
5. Choose a database.
  - MMDB and PDB contain protein, DNA, and RNA structures.
  - PubChem contains chemical structures.
6. Touch the Search button on the keypad.
7. Touch the structure when it appears in the list to download and open it. Once a structure has been downloaded, it will stay in the app until you delete it.