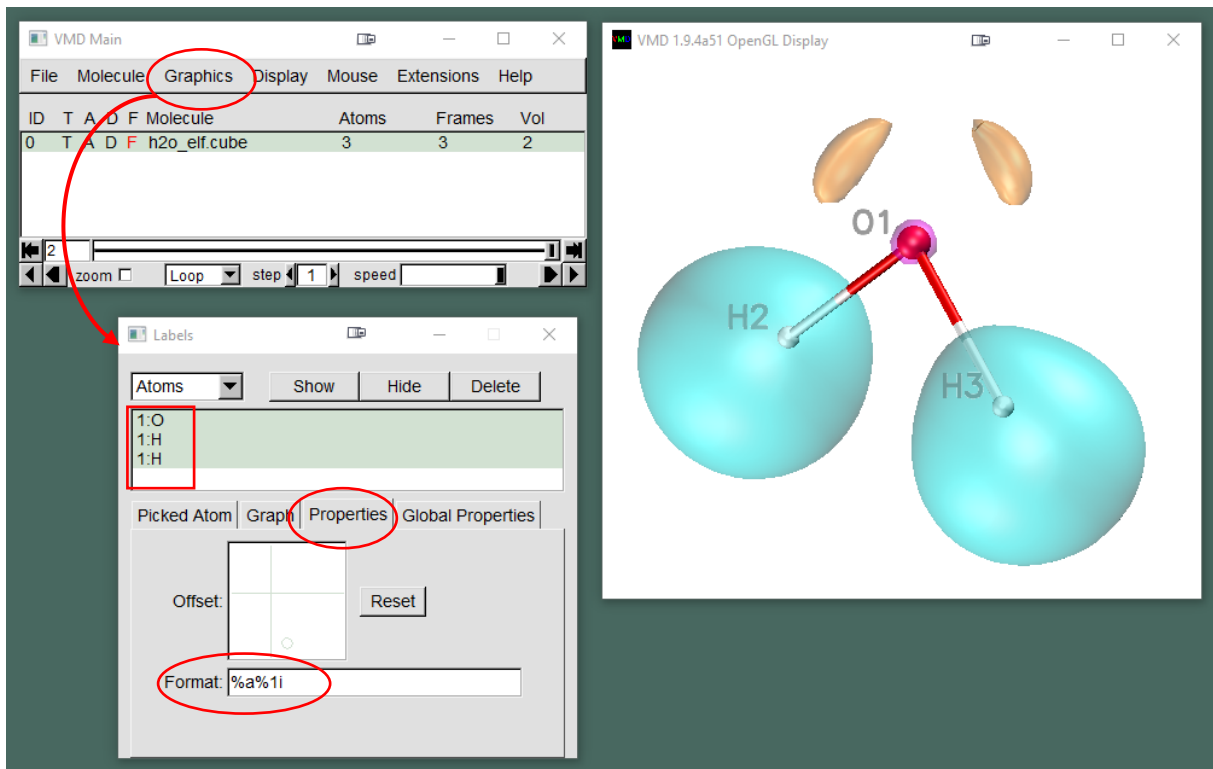


## Show/Hide Labels in VMD program.

<https://www.ks.uiuc.edu/Research/vmd/>

As well as allowing you to view molecules, VMD also allows you to select atoms. You can do this by clicking "Mouse | Label | Atoms" in the VMD main window, and then clicking on individual atoms in the VMD graphics window.

You can display the "Labels" window by clicking on "Graphics | Labels" in the main VMD window. In the "Properties" section, you can modify the label format. To do this, select all or some of your atoms, then type `%a%i` in the "Format" field. Click on "Show":



The screenshot shows the VMD Main window and the Labels window. The Labels window is open, showing a list of atoms (1:O, 1:H, 1:H) and the Properties section. The Format field is set to `%a%i`. The 3D graphics window shows a water molecule with atoms labeled H2, H3, and O1.

`%a` -> name

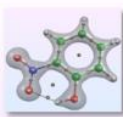
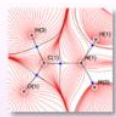
`%q` -> charge

`%i` -> 0-index

`%1i` -> 1-index

`%p` -> atomic number

`%o` -> occupancy



The "Global Properties" tab lets you change the size/thickness of the text.

To change the label color, click on "Graphics | colors" then select Labels in "Categories" and Atoms in "Names". In "Colors" you can choose the label color.

The screenshot displays the VMD software interface. The main window shows a 3D model of a water molecule (H<sub>2</sub>O) with atoms labeled H2, H3, and O1. The O1 atom is red, and the H2 and H3 atoms are cyan. The bonds are red. The background is white. The VMD Main window is visible on the left, showing the menu bar (File, Molecule, Graphics, Display, Mouse, Extensions, Help) and a table of loaded molecules. The Color Controls panel is open, showing the "Assign colors to categories" section. The "Categories" dropdown is set to "Labels", and the "Names" dropdown is set to "Atoms". The "Colors" dropdown is set to "1 red". A color selection palette is visible below the dropdowns, with a "Default" button at the bottom.

| ID | T | A | D | F | Molecule     | Atoms | Frames | Vol |
|----|---|---|---|---|--------------|-------|--------|-----|
| 0  | T | A | D | F | h2o_elf.cube | 3     | 3      | 2   |