Molymod[®] Molecular model kit

ICE, H2O (35 water units) SKU 62123-3

1) Begin making the ICE model by assembling 35 individual water molecules. A water molecule consists of one oxygen atom (Red sphere) joined to 2 hydrogen atoms (white spheres). Use the short white links to form the covalent bond.

If the short links need to be removed, you must use the short link remover tool provided. See instructions for use.

2) The ICE model in this kit consists of three layers, 2 containing 13, and 1 containing 9 water molecules. Make each layer first before joining the 3 layers together.

3) 1st Layer – Arrange 13 water molecules on a flat surface in the formation of hexagons as shown below. Notice how each alternate water molecule is positioned in the

same way. Join the water molecules together using the purple medium links to represent the hydrogen bonds.



4) 2nd Layer

Repeat 3) above in the way shown for the second layer of 13 water molecules.



3) 3rd Layer

Arrange 9 water molecules on a flat surface in the formation of hexagons as shown.



5) Add the purple links to the first layer shown in the picture.



6) Add the second layer and purple links, then the third layer on top to complete the model. Complete model shown below.



Contents:

Part.Nr:	Description	Colour Red	Shape	Use	Quantity
60210e	Hydrogen atom	White	2 hole	Ĥ	35 70
61015e	Covalent bond	White	Short	O-H	70
61011e	Hydrogen bond	Purple	Medium	0Н	60

Short link Remover tool 1



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