

Ionic/Molecular Models

Recommended for Chapter(s): 2

Demo #002

Procedure

1. Show student the NaCl model.
2. Show students the water model(s).

Clean Up

1. Return the materials to the cart in the demonstration library room.

Stockroom Notes

2. Return items to demonstration tub.
3. Return tub to the demonstration library.

Discussion

The models can be used to show the difference between adding more formula units of an ionic compound and adding more molecular formulas of a covalent compound. As you add more formula units of an ionic compound it increases the size of the crystal structure. Whereas when you add more molecular formulas of a covalent compound it increases the number of molecules present.

Materials in the box

1. NaCl model
2. 2 H₂O Molecules