

# 3-Group Contents List

150 Mini Phospholipids

3 Sticker Sheet

15 Membranes

15 Glucose

3 ATP

90 H<sub>2</sub>O

84 Na<sup>+</sup>

84 K<sup>+</sup>

3 Aquaporin (D)

3 K<sup>+</sup> Leak Channel (E)

3 GLUT Carrier Protein (A)

3 Na<sup>+</sup>/K<sup>+</sup> Pump (C)

3 Gated K<sup>+</sup> Channel (B)

18 Plastic Pegs

## Large Phospholipids

9 Saturated Fatty Acid Tails

6 Piece A Unsaturated Fatty Acid Tails

6 Piece B Unsaturated Fatty Acid Tails

27 Hydroxyl Groups

27 Hydrogens

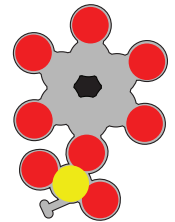
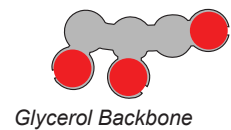
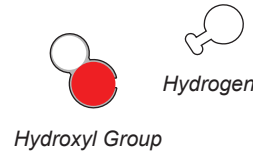
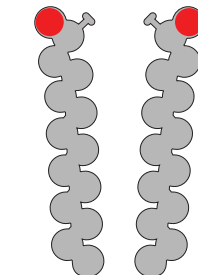
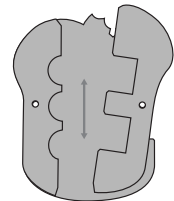
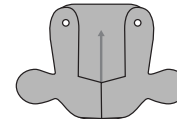
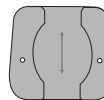
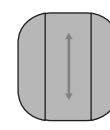
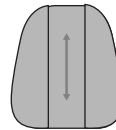
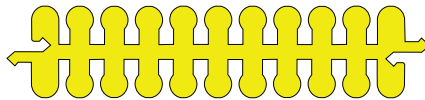
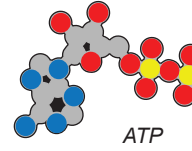
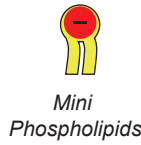
3 Glycerol Backbone

3 Phosphatidylinositol Head

3 Phosphatidylcholine Head

3 Phosphatidylserine Head

3 Phosphatidylethanolamine Head



Teacher Notes, Student Handouts and supporting materials at

[3dmoleculardesigns.com/Teacher-Resources/Phospholipid-Membrane-Transport-Kit.htm](http://3dmoleculardesigns.com/Teacher-Resources/Phospholipid-Membrane-Transport-Kit.htm)

**⚠ WARNING:**

**CHOKING HAZARD** -- This product contains small parts and should be kept out of the reach of children under the age of 3, because the parts or their pieces may present a choking hazard to small children.

**CAUTION:**

This is a science education product, not a toy. It is not intended for children under 8 years old.