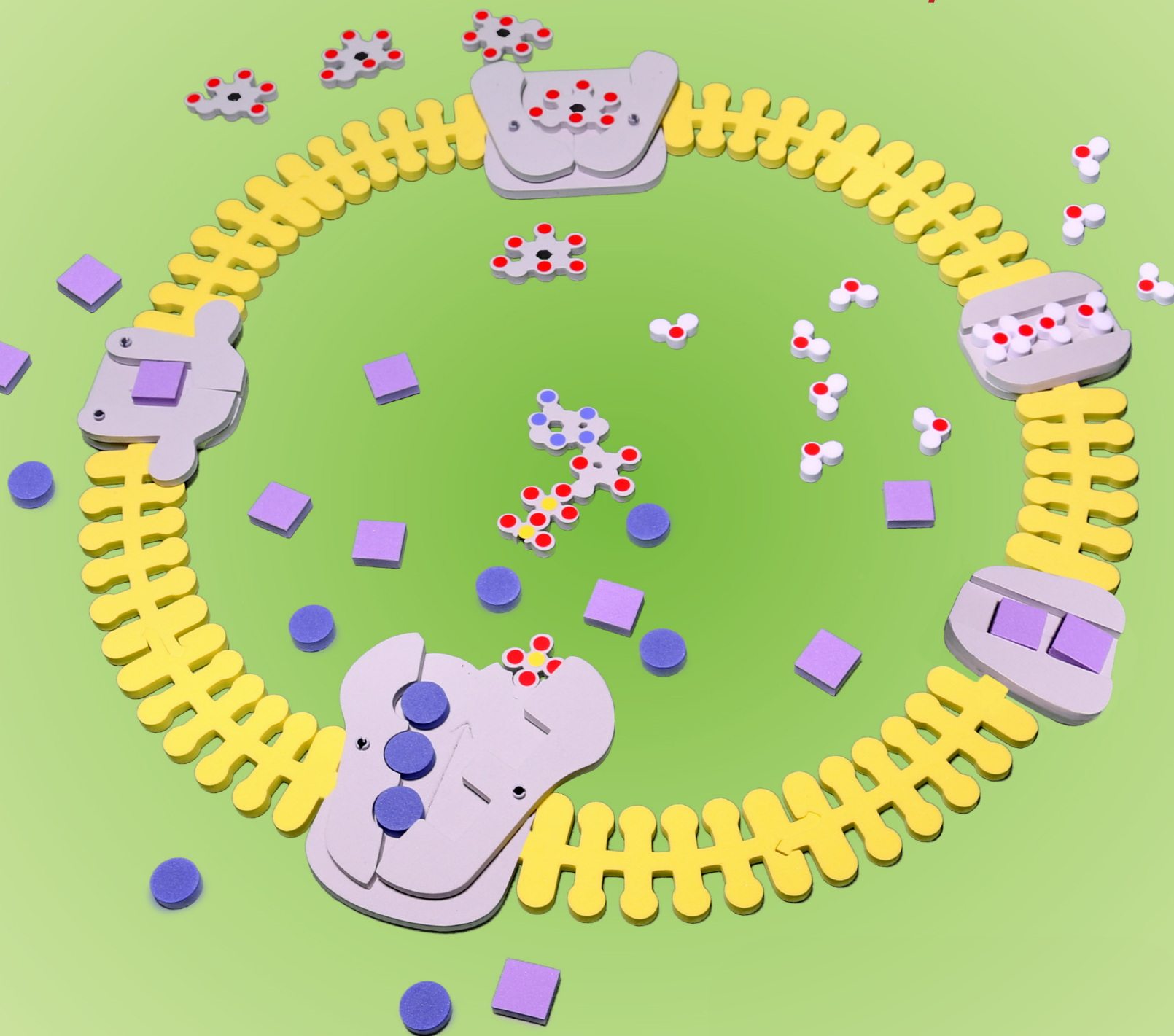


PHOSPHOLIPID & MEMBRANE TRANSPORT KIT[®]

1-Group Set



**3-D Molecular
Designs**

...where molecules become real™

3dmoleculardesigns.com

1-Group Contents List

50 Mini Phospholipids

1 Sticker Sheet

5 Membranes

5 Glucose

1 ATP

30 H₂O

28 Na⁺

28 K⁺

1 Aquaporin (D)

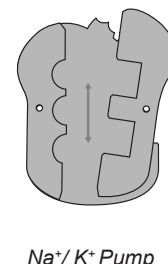
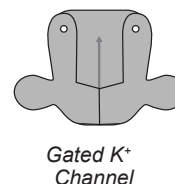
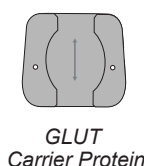
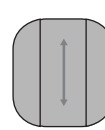
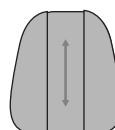
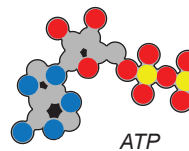
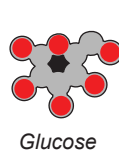
1 K⁺ Leak Channel (E)

1 GLUT Carrier Protein (A)

1 Na⁺/K⁺ Pump (C)

1 Gated K⁺ Channel (B)

6 Plastic Pegs



Large Phospholipids

3 Saturated Fatty Acid Tails

2 Piece A Unsaturated Fatty Acid Tails

2 Piece B Unsaturated Fatty Acid Tails

9 Hydroxyl Groups

9 Hydrogens

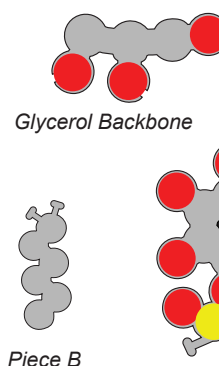
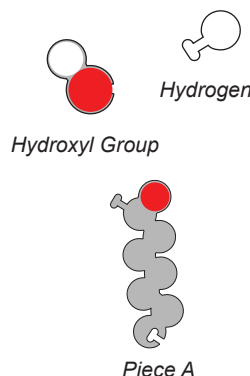
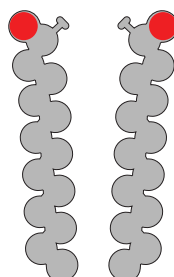
1 Glycerol Backbone

1 Phosphatidylinositol Head

1 Phosphatidylcholine Head

1 Phosphatidylserine Head

1 Phosphatidylethanolamine Head



Teacher Notes, Student Handouts and supporting materials at

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.