

# Contents List



## 12 Sets

Each set has 5 tangram pieces (all of the same color)

Plus 1 extra data piece (a different color)

(Colors may vary.)

Envelope containing *Top Secret Solutions*

(Please don't post solutions online.)

Teacher Notes at [3dmoleculardesigns.com/Teacher-Resources.htm](http://3dmoleculardesigns.com/Teacher-Resources.htm)



**Connections to *A Framework for K-12 Science Education:*  
Practices, Crosscutting Concepts, and Core Ideas\***

### 1. Scientific and Engineering Practices

1. Asking questions (for science) and defining problems (for engineering)
2. Developing and using models
4. Analyzing and interpreting data
5. Using mathematics and computational thinking
8. Obtaining, evaluating and communicating information

### 2. Crosscutting Concepts

1. Patterns

**Engineering, Technology and Applications of Science**

**Core Idea ETS1: Engineering Design**

ETS1.A: Defining and Delimiting an Engineering Problem

ETS1.B: Developing Possible Solutions

ETS1.C: Optimizing the Design Solution

\*National Research Council (NRC), 2011. *A Framework for K-12 Science Education: Practices, Crosscutting Concepts, and Core Ideas*. Washington, D.C.: National Academies Press.

#### **⚠ 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.