**Mystery Box**

Part One Directions:

1. Use your senses to observe what is inside the mystery box. You can gently move it around but do not crush it or try to open it.
2. Record your observations in the chart below.
3. From your observations, record the facts or evidence you know to be true about what is in your mystery box.

|  |  |
| --- | --- |
| **Observations** | **Facts/Evidence** |
|  |  |

Now that you have some evidence about what it is your mystery box, develop a theory of what you think is inside your mystery box. Draw what you think is inside and write a sentence describing your theory.

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| Theory1: |

Part Two Directions:

1. Find the group that has the same numbered mystery box.
2. Compare your theory with their theory.
3. Use your observations and evidence to defend your theory.
4. After discussing with the two groups, develop a second theory explaining what is inside the mystery box and draw what you think is inside in the space below.

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| Theory 2: |

**Analysis:**

Answer the following in complete sentences.

1. Compare your first idea of what was inside the mystery box with your second idea.

1. Did gaining new evidence change your theory of what was inside the box? Explain.

1. What other piece(s) of evidence would help you to be more certain of your theory?