1. **ASK / ENGAGE:** What is the problem you are being asked to solve? **Can You Keep an Ice Cube from Melting?**

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1. **IMAGINE/BRAINSTORM:** What are some possible solutions to the problem that you are trying to solve? After you brainstorm, draw and label your ideas below. **Design ways to insulate an ice cube.**

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| **Idea #1** | **Idea #2** |

**PLAN/DESIGN:** Draw your design below and make a list of the materials that you will need to complete your design.

**Think of insulators that would work well. Use items around the house that you would throw away.**

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| **My Design Plan** | **Materials List** |

1. **CREATE/TEST**: Use your Final Design Plan to create and build your solution. Test your design. Did it work? Why or Why not?

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1. **EVAULATE/IMPROVE:**  How well did your design work? Did your solution solve the problem within the given constraints?

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How can you improve your design? How can you make it better? Draw and label your improved design below.

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| **Improved Design Plan** |
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