EPS 100 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solar Oven Project

Testing Modifications **(Sheet 2)**

**Testable Question #1**: How will adding a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ liner affect the oven’s temperature

**Hypothesis:**

**Explain the reasoning for your hypothesis:**

**Describe the experimental variable (what you are changing)**:

**List some controlled variables (things you must keep the same):**

**Data:** Highest temperature reached by cooker

 Cooker with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ liner: \_\_\_\_\_\_\_\_\_ Time to reach this temperature: \_\_\_\_\_\_\_\_\_\_

 Cooker with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ liner: \_\_\_\_\_\_\_\_\_ Time to reach this temperature: \_\_\_\_\_\_\_\_\_\_

**Conclusion (Use your data to provide an answer to the testable question above.)**:

**Testable Question #2**: How will changing the angle of sunlight (horizontal vs perpendicular) affect the oven’s temperature?

**Hypothesis:**

**Explain the reasoning for your hypothesis:**

**Describe the experimental variable (what you are changing)**:

**List some controlled variables (things you must keep the same):**

**Data:** Highest temperature reached by cooker

 Cooker with horizontal light: \_\_\_\_\_\_\_\_\_ Time to reach this temperature: \_\_\_\_\_\_\_\_\_\_

 Cooker with perpendicular light: \_\_\_\_\_\_\_\_\_ Time to reach this temperature: \_\_\_\_\_\_\_\_\_\_

**Conclusion (Use your data to provide an answer to the testable question above.)**: