Unit: Cooking with the Sun and Sun Ovens

Lesson #11: Build the Ultimate Solar Oven

My Ultimate Solar Oven  Name _______________________

How would you design your own oven, using materials that you can find at home, school, the Dollar Store or a home improvement store? You will have a chance to draw and describe it on the back of this paper.

Remember, you must have:

• Reflective material
• Something to support the reflective material and cooking pot
• Plastic or glass surrounding your cooking pot
• Circulation around your cooking pot
• A dark interior and insulation if you build a box cooker

How creative can you make your design while keeping it functional and efficient? Use your imagination!

Materials you need:

Checklist of components:

______ Smooth reflective material
______ Support for the reflective material and pot
______ Plastic or glass surrounding your cooking pot
______ A dark interior
______ A way for air to circulate around your cooking pot
______ Insulation
Sketch your design below and label all of the components.