



Group Members: _____

Model Life Support System: Design & Build Template

1. Brainstorm different ways to meet the design criteria.

2. Draw some rough sketches of your ideas.

3. Which idea does your group think is best?

4. Why is this the best idea?





5. Draw a diagram of your final idea including labels that show measurements and materials.

6. List the materials you will need:

7. List the tools you will need:





8. List the tasks or steps that will need to be done to build the model.

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

9. Build and test the model based on the drawings and the plan. If it does not do what it is supposed to do, make changes and test again.

10. Demonstrate your model to the class.

How well did your model work?

What would you do to improve it?

What would you do differently if the model was measuring temperature or carbon dioxide?

