

1.4.4. Thermal Regulation Experiment Part 2: Analyze Data

Name: _____ Date: _____

Look at your graph and document the values. Use the Data Visualization information to fill in data for other materials.

| Material | Start Temperature (°C) | Final Constant Temperature (°C) | Time Duration from start to constant |
|---------------|------------------------|---------------------------------|--------------------------------------|
| Control | | | |
| Cotton | | | |
| Bubble Wrap | | | |
| Aluminum Foil | | | |
| Paper | | | |

Observations

Which material causes the least change in temperature? _____

Which material causes the most change in temperature? _____

What does this mean in terms of "thermal insulation."?

Based on your test results, rank materials from the best thermal insulating to the least.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____