Minimizing Heat Loss Project

**Purpose:** To create an object that minimizes the amount of heat lost from water in a 20-minute time frame.

**Materials:**

1. 1 plastic bottle such as a water bottle, small Gatorade bottle, soda bottle
2. Any other materials you choose to use to retain heat in the bottle

**Some other information:**

1. Projects and materials must be brought to class to make the project.

2. Hot water will be added to your container, an initial and a final temperature reading will be taken.

3. The best project will be the one that has the smallest change in temperature. Basically you are making a thermos with common everyday materials.

**Planning Questions:**

1. What is a conductor? Insulator?

Minimizing Heat Loss Project

**Purpose:** To create an object that minimizes the amount of heat lost from water in a 20-minute time frame.

**Materials:**

1. 1 plastic bottle such as a water bottle, small Gatorade bottle, soda bottle
2. Any other materials you choose to use to retain heat in the bottle

**Some other information:**

1. Projects and materials must be brought to class to make the project.

2. Hot water will be added to your container, an initial and a final temperature reading will be taken.

3. The best project will be the one that has the smallest change in temperature. Basically you are making a thermos with common everyday materials.

**Planning Questions:**

1. What is a conductor? Insulator?

Minimizing Heat Loss Project

**Purpose:** To create an object that minimizes the amount of heat lost from water in a 20-minute time frame.

**Materials:**

1. 1 plastic bottle such as a water bottle, small Gatorade bottle, soda bottle
2. Any other materials you choose to use to retain heat in the bottle

**Some other information:**

1. Projects and materials must be brought to class to make the project.

2. Hot water will be added to your container, an initial and a final temperature reading will be taken.

3. The best project will be the one that has the smallest change in temperature. Basically you are making a thermos with common everyday materials.

**Planning Questions:**

1. What is a conductor? Insulator?

Minimizing Heat Loss Project

**Purpose:** To create an object that minimizes the amount of heat lost from water in a 20-minute time frame.

**Materials:**

1. 1 plastic bottle such as a water bottle, small Gatorade bottle, soda bottle
2. Any other materials you choose to use to retain heat in the bottle

**Some other information:**

1. Projects and materials must be brought to class to make the project.

2. Hot water will be added to your container, an initial and a final temperature reading will be taken.

3. The best project will be the one that has the smallest change in temperature. Basically you are making a thermos with common everyday materials.

**Planning Questions:**

1. What is a conductor? Insulator?