



Keeping It Cool: Building an Insulated Water Bottle

Task

Using your knowledge of heat transfers and insulators, plan and build an insulated water bottle. The insulated bottles will be placed in hot water.

Criteria

- Students must use the water bottle issued to them in class. Each student will be provided with the bottles that are the same size and shape.
- Only materials available in class or brought from home can be used.
(Do not purchase materials for this investigation.)

Note: Materials that are a safety hazard are not permitted.
(Fiberglass is an example of an unsafe material.)

- Insulated bottles must fit inside a gallon sized resealable bag.
- Design sketches must be included in your scientists' notebooks.

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