# Engineering Adventure 3: Chilling Out: Protecting Against Cold

*Which materials are good at protecting against cold?*

## *Temperature Changes*

### Directions

Record temperatures below for the empty mitt. Add a material to your mitt, take the temperatures, and record them below. Look at the example for the type of information you should include in each column.

Is your material good at protecting against the cold?

- **Not Good**: difference of 7°C or more
- **Good**: difference of 3–6°C
- **Great**: difference of 0–2°C

### Test Results

| Mitt Material | Starting Temperature | Temperature after 30 Seconds | Difference in Temperature | How well does it protect against cold? |
|---|---|---|---|---|
| Example | 20°C | 17°C | 3 °C<br>(20 °C – 17 °C = 3 °C) | Good |
| Empty Mitt | | | | |
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