

Procedure

1. Collect required materials
2. Set-up experiment as shown in provided images
3. Distribute student worksheets
4. Ask students pre-experiment questions and guide students through material selection process.
5. Start experiment allowing the material to heat up for 1-2 minutes. Ask students about their predictions while waiting.
6. Measure the temperature on both sides and have the students try to explain the results. Refer to teacher sheet as a guide.
7. Guide students through post-experiment questions.
8. Explain underlying principles referencing teacher handout as necessary