



CERT Educational Series

3rd Grade Heat Transfer

Student Lab Sheet

Name _____ Date: _____

Vocabulary Words

Thermometer – Measures temperature

Temperature – A measure of how warm or cold something is.

Temperature is measured in degrees and is written as °C (Celsius) or °F (Fahrenheit).

Conductor – a material that DOES transfer heat.

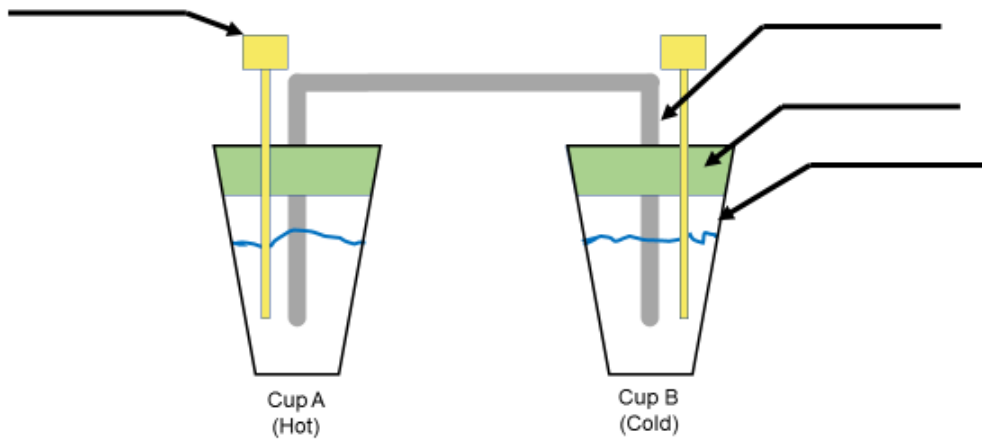
Insulator – a material that DOES NOT transfer heat.

Experiment Data Collection

READING	Cup A Hot °C	Cup B Cold °C
1		
2		
3		
4		
5		
6		

Use your vocabulary words to fill in the blanks in the picture below.

Word Bank: metal bar(Conductor), cup(insulator), thermometer, lid(insulator)



Questions

1. How did the metal bar feel before the experiment?

2. How did the metal bar feel during the experiment?

3. What happened to the temperatures of the water?

The hot water temperature went _____.

The cold water temperature went _____.

4. In which direction did the heat flow?

From _____ to _____

Feedback on CERT 3rd Grade Heat Transfer Lesson:

1. The module used to teach Heat Transfer was a good way to learn that heat is transferred from a warmer object to a cooler object.

YES

NO

2. This experiment helped me learn that when heat transfers to a cooler object (cup of water), the temperature of that object gets warmer.

YES

NO

3. This experiment helped me learn that when heat transfers away from a warmer object (cup of water), the temperature of that object gets cooler.

Yes

NO