

Name _____

Date _____

Period _____

Heat Transfer Worksheet

For the items below, draw an arrow showing the direction in which heat will transfer between the two items in contact. If no heat transfer will take place, write N/A (not applicable). If no temperature is given for an item, assume the item is kept at room temperature.

Reference Temperatures:

Room Temperature: 75 degrees Fahrenheit

Human Body: 98.6 degrees Fahrenheit

- | | |
|---|--|
| 1. Water from the shower at 105 degrees | 1. Human body |
| 2. A human hand | 2. A Hershey's Kiss at room temperature |
| 3. Ice cubes | 3. Soda from a bottle that has been sitting on a shelf |
| 4. Boiling water | 4. Pasta from a box |
| 5. Marinara sauce from a refrigerator | 5. Pasta recently removed from boiling water |
| 6. Juice kept at room temperature | 6. A cup |
| 7. One human hand | 7. One human hand |
| 8. Human finger tips | 8. A computer keyboard |
| 9. Air blown from the mouth | 9. A lit birthday candle |

10 Fill in the blank: Heat transfers from a _____ object to a _____ object.