

## Matching

- |                                                                                                                                                                                                           |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| _____ 31. Fiberglass is a common _____, which is a material that reduces the transfer of heat.                                                                                                            | a. thermal        |
| _____ 32. During a change of state, the addition or loss of _____ energy changes the arrangement of the particles in the substance.                                                                       | b. Fahrenheit     |
| _____ 33. If _____ is transferred from object A to object B, the temperature of object A decreases.                                                                                                       | c. convection     |
| _____ 34. If two glasses of water are at the same temperature, the average _____ energy of the particles of water in each glass is the same.                                                              | d. Kelvin         |
| _____ 35. Boiling is vaporization that takes place at or _____ the surface of a liquid.                                                                                                                   | e. thermal energy |
| _____ 36. Even though the water in a filled bathtub may be at the same temperature as water in a teacup, the water in the bathtub has more _____ because it contains a greater number of water molecules. | f. heat           |
| _____ 37. Bare feet feel colder on a tile floor than on a rug because the tile floor is a better _____ of heat.                                                                                           | g. insulator      |
| _____ 38. A one-degree change in temperature on the Celsius temperature scale is equal to a one-degree temperature change on the _____ temperature scale.                                                 | h. radiation      |
| _____ 39. The handle of a spoon in a bowl of soup becomes warm because of heat transfer by the process of _____.                                                                                          | i. conduction     |
| _____ 40. As a substance changes state, there is no change in the _____ of the substance.                                                                                                                 | j. kinetic        |
|                                                                                                                                                                                                           | k. temperature    |
|                                                                                                                                                                                                           | l. below          |
|                                                                                                                                                                                                           | m. conductor      |