

Matching

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| _____ 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 |