

Matching

_____ 31. Fiberglass is a common _____, which is a material that reduces the transfer of heat.

_____ 32. During a change of state, the addition or loss of _____ energy changes the arrangement of the particles in the substance.

_____ 33. If _____ is transferred from object A to object B, the temperature of object A decreases.

_____ 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.

_____ 35. Boiling is vaporization that takes place at or _____ the surface of a liquid.

_____ 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.

_____ 37. Bare feet feel colder on a tile floor than on a rug because the tile floor is a better _____ of heat.

_____ 38. A one-degree change in temperature on the Celsius temperature scale is equal to a one-degree temperature change on the _____ temperature scale.

_____ 39. The handle of a spoon in a bowl of soup becomes warm because of heat transfer by the process of _____.

_____ 40. As a substance changes state, there is no change in the _____ of the substance.

a. thermal
b. Fahrenheit
c. convection
d. Kelvin
e. thermal energy
f. heat
g. insulator
h. radiation
i. conduction
j. kinetic
k. temperature
l. below
m. conductor