

Name:

Class:

True-False Statements on Heat Transfer

Q	Statement	Answer
1	SI unit of temperature is Celsius (°C)	
2	Steel, which expands and contracts more than brass, can be joined together with brass to make a bimetallic strip.	
3	Hot air balloon float rises because when air in a hot air balloon is heated, its volume increases and mass decreases.	
4	Solids are better conductors of heat than liquid because the particles in solids are arranged more closely to one another.	
5	Liquids and gases transfer heat energy mainly by convection.	
6	Convection currents are formed when the hotter and denser water rises while the cooler and less dense water sinks.	
7	Heat transfer from the sun to Earth occurs mainly by radiation.	
8	An object with a larger surface area has a higher rate of radiation.	
9	When a black container and white container are placed under the sun, the black container has a higher temperature because black surfaces are better absorber and emitter of radiation.	
10	Sea breeze occurs during the day when the land heats up more readily than the sea.	

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