Heat	Tra	ansfer -	- Multip	e Choice	•		Name		
1.	Which of the following is not a method of heat transfer?								
		Conducti Active T				,	Convection Radiation		
2.	Heat transfer by conduction								
	 a) is not possible from human beings to their b) does not occur from light bulbs – they are c) requires some sort of material to facilitate 					ey are to	oo bright.		(a) and (b) and (c). None of the above.
3.	Which of the following is the best conductor of heat?								
	,	air water				c) d)	plastic aluminum		
4.	Wl	Which of the following is the worst conductor of heat in the group?							
	,	air plastic				c) d)	a vacuum aluminum		
5.	The fact that, in general, liquids and gases expand when heated gives rise to								
	b) c)	 a) convection currents in fluids due to changing masses. b) convection currents in fluids due to changing densities. c) heat transfer by conduction. d) convection currents in fluids due to constant temperatures. 							
6.	In which of the following can convection currents be set up?								
	,	air plastic				c) d)	a vacuum aluminum		
7.	The process by which aquatic life forms at the bottom of the ocean can get the oxygen they need to live is related to heat transfer by								
		conduction radiation				convec		life does no	ot require oxygen.

8.	Convection currents can be caused by								
	a) weather patterns.b) unequal heating of the earth's surface.c) thermal expansion.	d) (b) and (c) but not (a).e) (a) and (b) and (c).							
9.	The predominant method of heat transfer that causes a pot of water to boil is								
	a) conduction.b) radiation.	c) convection.d) boiling.							
10.	The process by which a pot of water on your electric stove starts to heat is								
	a) conduction.b) radiation.	c) convection.d) evaporation.							
11.	The method through which the entire pot of water boils on that hot stove is								
	a) conduction.b) radiation.	c) convection.d) evaporation.							
12.	This type of heat transfer can occur in a vacuum:								
	a) Conduction.b) Radiation.	c) Convection.d) Blackbody.							
13.	Heat transfer by radiation								
	 a) is not possible from human beings to their environment. b) does not occur from light bulbs – they are too bright. c) does not require any material between the radiator and the object receiving the radiated none of the above. 								
14.	If a thermos bottle was not "silvered" on its surfaces, it would be able to transfer heat by								
	a) conduction.b) convection.	c) radiation.d) it would not be able to transfer heat at all.							