When you buy insulation it has a big letter R followed by a number. That big R number means resistance to heat flow, the higher the number the more the insulation resists the flow of heat, that means it is better at insulating.





	er or not the staten ake the statment tru			f you choos	e False, write	the term		
	1. Materials that are poor conductors are poor insulators.							
		e transfer of e	nergy t	hrough mat	ter by direct o	contact of its particles		
	3. The	e transfer of e	energy	in the form	of invisible v	vaves is conduction.		
	4. Solids usually conduct heat better than liquids and gases.							
	5. The R-value of insulation indicates its resistance to heat flow.							
	6. Air	is a poor hea	t condu	ictor.				
	7. Wi	nd and ocean	currer	its are exam	ples of condi	uction currents.		
	8. Enc	ergy is usually	y transf	erred in flu	ds by radiati	ion.		
	9. As	water is heate	d, it ex	pands, beco	mes less den	se, and rises.		
		k-colored materials.	aterials	absorb less	radiant ener	gy than light-colored		
	11. On	ly radiant end	ergy tha	at is reflected	d is changed	to thermal energy.		
	12. The	higher the R	-value	of insulation	the less resis	stant it is to heat flow.		
If it acts more lik more easily (con- other materials. conductor, it will	s either absorbed or ref insulator. All materials e a conductor than an i duct) and less will be al If it acts more like an in l absorb more thermal prough compared to otl	conduct and ins nsulator the head psorbed compar sulator than a energy and less	ulate to at will pa ed to	some extent.	Absorbed Reflected	Conduct a lot of the absorbed energy will flow through  Insulate only a little of the absored energy flows through		
For each pair of r	materials decide, will th	e object most re	eflect rac	diant energy o	r absorb it.			
If it absorbs it wi	II it act more like a cond	ductor or an insu	ulator co	mpared to the	other object.			
13.	a silver spoon	compared to	a w	ooden log				
Reflect	Absorb Better conductor or in	sulator	Reflect		bsorb ctor or insulator	,		
14.	a white shirt	compared to		a red shir	t			
Reflect	Absorb Better conductor or in	sulator	Reflect	Better condu	bsorb ctor or insulator	r		
15.	foil in the sunlight	compared to	a sid	ewalk in the	sunlight			

16. single-pane window compared to double-pane window

Reflect Absorb Reflect Absorb Better conductor or insulator

17. R-5 insulation compared to R-35 insulation

Reflect Absorb Reflect Absorb Better conductor or insulator

Reflect Absorb Better conductor or insulator

Reflect

Absorb Better conductor or insulator Reflect

Absorb Better conductor or insulator