Name:		201
STATE RESERVE	Period:	- 0

Energy Transformations

Directions: Read pages \$142-\$143 in your book and answer the following questions.

	entists know that all phy	ysical and chemical o	changes involve
	ry change that occurs in	n the universe involv	es an
	change of energy from	one form to another	is called
	ne energy transforma	tion.	
5. The conv	verted into	energy of the wat	er at the top of these falls is gy as the water falls.
Transfe	ormation of Energy	from the Sun	
6. Whe	ere does much of the en	ergy on Earth origina	ally come from?
	ne sun, matter is conver		and
8. Wha	nt does the sun's radian	t energy do to the pla	anet's surface?
9 This	warming determines E	earth's	90 PNS
10, Alm	osi all	depe	nd on the sun for their energy.
10. Piar use as fi	iels?	75 N.FW	some what 3 things that we now
	energy can be transfor rators, which can power		energy to run
Conse	rvation of Energy		
12. The	chemical energy of gas	oline is first transfor	med into
	, and		as it's burned.

13	During an energy transformation, the total amount of energy involved remains the same, or the energy is
14	Define law of conservation of energy.
15	Why does a bouncing ball lose its bounce after each bounce?
16.	This means the energy is not; it is simply into other forms of energy.
D	ecrease in Useful Energy
17.	Every time energy in a system changes from on for to another, the amount of energy decreases.
18	In any energy transformation, some useful energy is converted into that cannot be used to do work.