	21.1, 2
	Fhursday, March 14, 2019 8:29 AM
	Energy imput-output obagram
	o Mechanical input/ordinated the diagram. W=Win-War
	o Thermal input/ordinate of the energy Q = Qin - Qout
	Jan Jan Garage
	This System was
•)	Steady device the state of the device remain the same or to return to
the	same dabe over some repeating time.
	O cycle: a series of process that bring it back to intral state.
	o Condrains:
	(a) Einput = Eoropat
	(b) Servironment >, 0, which & caused by thermal injustforty of
• 51	tropy gradient de = L
211	
	o a measure of change in entropy caused by the change in energy.
	o Low T: high de
	high T. low ds
	o entropy diagrams _ Environment
	high T low T ds
ı, hen	2 output aseny = as + asy thermal input
star	Work. (energy ble same)
	T System
	impossible
	A transfer of energy that points to the right in an entropy diagram
	causes an increase in the entropy of the environment.









