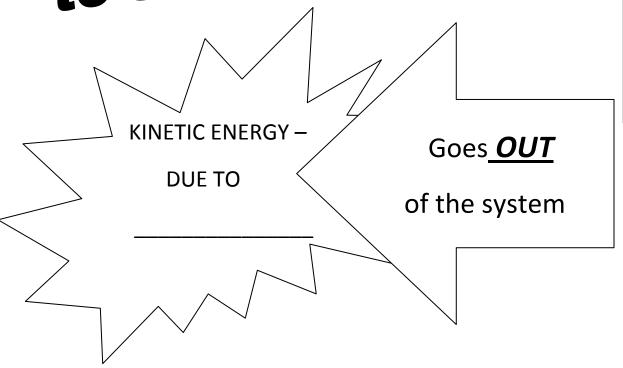
## energy transferred out of system

to surroundings



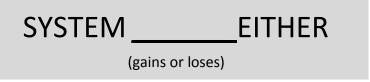
SYSTEM		EITHER
	(gains or loses)	

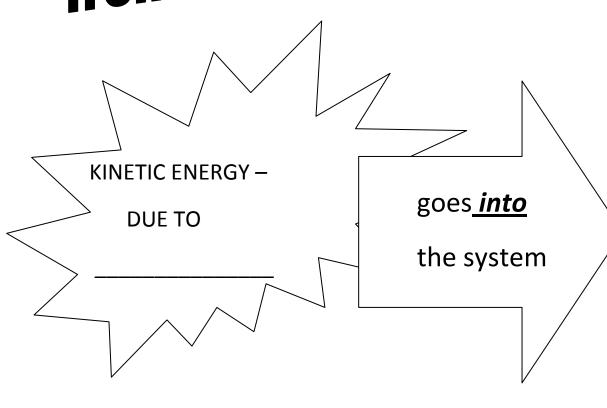
kinetic energy		
(increase or decrease)		
changes	of particles	
– they move _		
	decreases.	

OR

potential energy		
(increase or decrease)		
changes	of	
particles – attractions		
enthalpy	(increases or decreases).	

## energy transferred into system from surroundings





	kinetic ene	ergy
(	increase or decrease)	
	changes	of
	particles – they move	
	increases	

OR

potential energy	
(increase or decrease)	
changes	of
particles – att	ractions
	increases.

Energy transferred system surroundings
<b>Endothermic</b>
Enthalpy  Since energy went
Draw enthalpy graph going hill
The products have PE  (otherwise known as enthalpy)
So, the products are stable
based on enthalpy  Since things want to become more stable

Energy transferred	system
surroundings	
Exothermic	
Enthalpy Since energy went	
Draw enthalpy graph going hill	
The products have PE  (otherwise known as enthalp	(YO
So, the products are	$\mathcal{A}$
stable	
And the reaction is	

based on enthalpy