

## HS.P.E.38 Assessment

1. In each of the following situations, draw pie graphs that represent the way the type and total amount of energy in the system changes. Use  $U_g$ ,  $U_s$ , and KE for your energies.

$U_g$  = Graviational Potential Energy

$U_s$  = Elastic Potential Energy

KE = Kinetic Energy

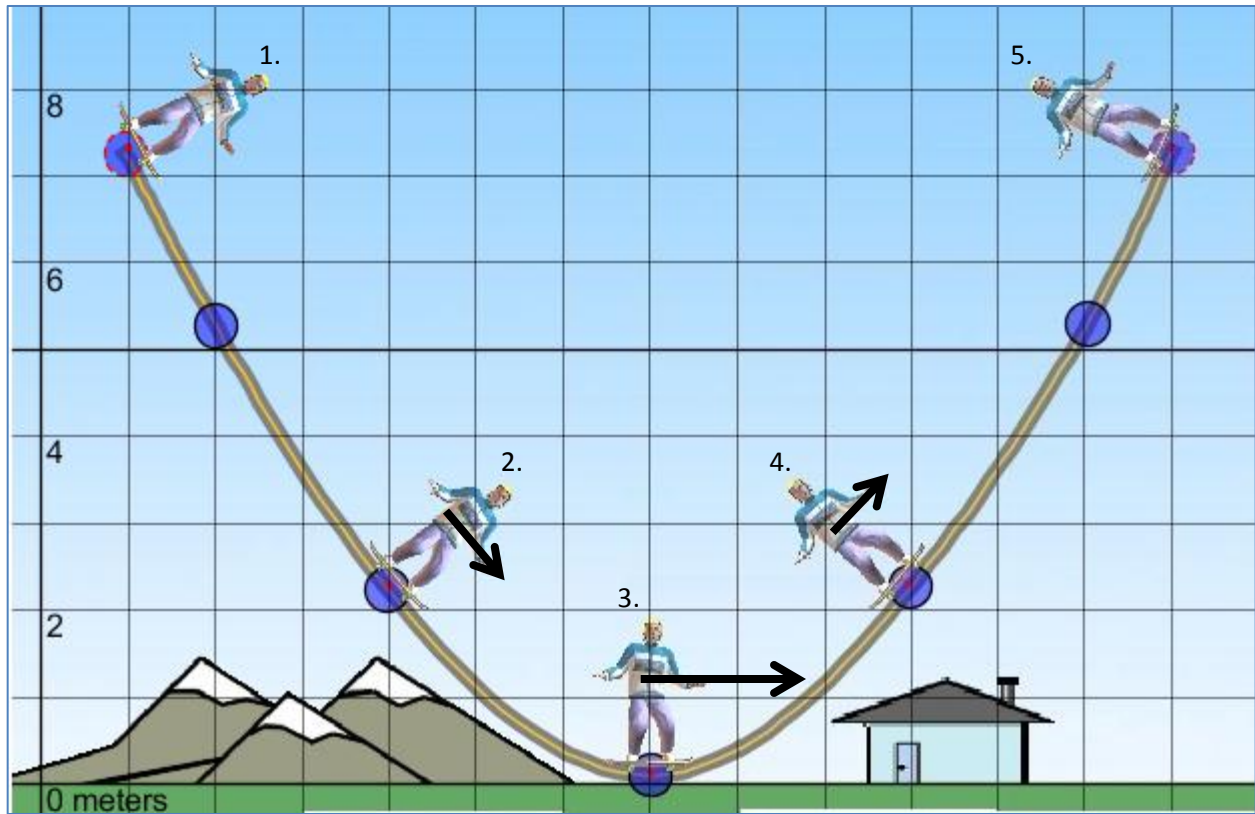
HS.P.E.38	I can use words, diagrams, pie charts, and bar graphs to represent the way the type and total amount of energy in a system changes (or doesn't change).	
-----------	---	--

- a. A truck is pulled back until it is all wound up. It is then let go and accelerates to the right.



1.	2.	3.	4.	5.
----	----	----	----	----

b. A skater rolls down a half pipe and goes up the other side.



1.	2.	3.	4.	5.
----	----	----	----	----