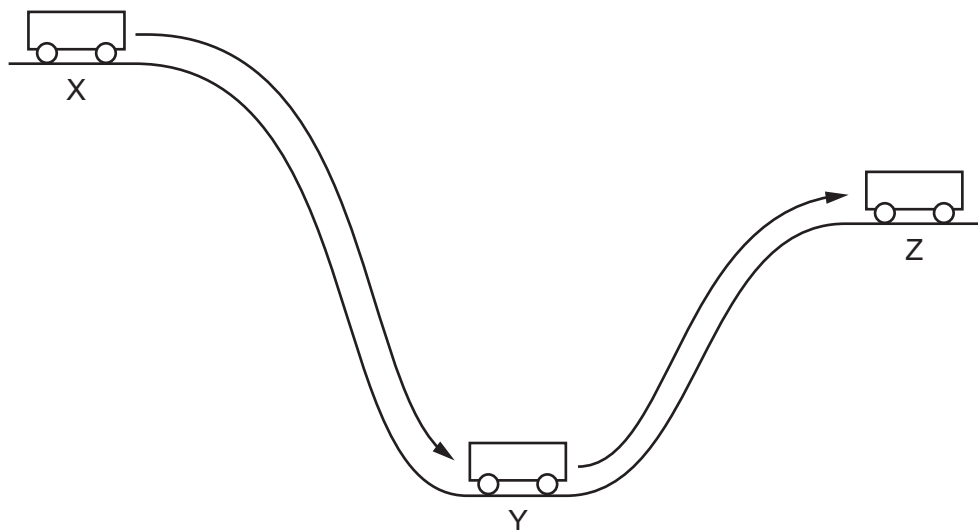


- 16 A trolley starts from rest at X. It rolls down to Y and eventually comes to rest at Z.



Which row is a possible summary of the energy changes during this process?

	X to Y	Y to Z
A	p.e. \rightarrow k.e.	k.e. \rightarrow p.e.
B	p.e. \rightarrow k.e.	k.e. \rightarrow p.e. + heat
C	p.e. \rightarrow k.e. + heat	k.e. \rightarrow p.e.
D	p.e. \rightarrow k.e. + heat	k.e. \rightarrow p.e. + heat

key

p.e. = potential energy

k.e. = kinetic energy

- 17 An object of weight 15.0 N is pulled along a horizontal surface at a constant velocity of 2.00 m s^{-1}