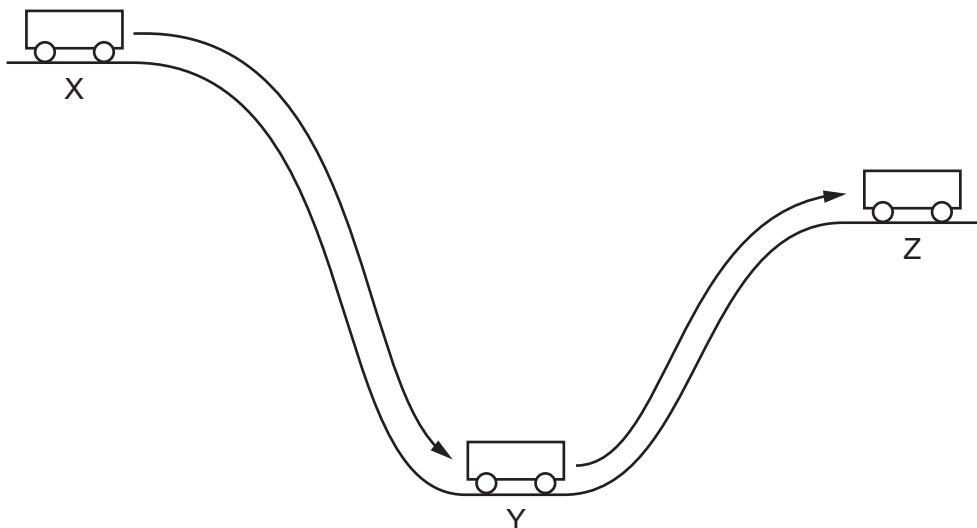


- 16 A trolley starts from rest at X. It rolls down to Y and eventually comes to rest at Z.



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

	X to Y	Y to Z	
A	p.e. → k.e.	k.e. → p.e.	key
B	p.e. → k.e.	k.e. → p.e. + heat	p.e. = potential energy
C	p.e. → k.e. + heat	k.e. → p.e.	k.e. = kinetic energy
D	p.e. → k.e. + heat	k.e. → p.e. + heat	

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