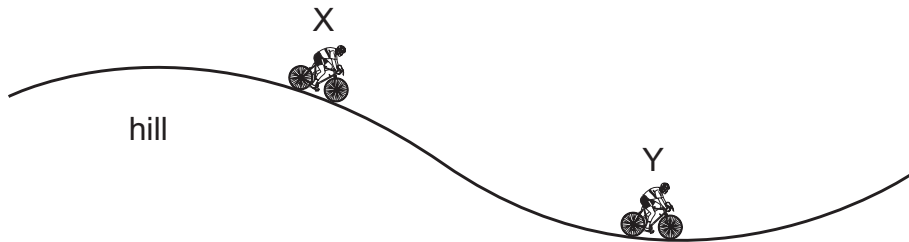


8 A cyclist travels down a hill from rest at point X without pedalling.

The cyclist applies his brakes and the cycle stops at point Y.



Which energy transfers have taken place between X and Y?

- A gravitational potential \rightarrow kinetic \rightarrow internal (thermal)
- B gravitational potential \rightarrow internal (thermal) \rightarrow kinetic
- C kinetic \rightarrow gravitational potential \rightarrow internal (thermal)
- D kinetic \rightarrow internal (thermal) \rightarrow gravitational potential