

Draw a possible bar graph for the situation shown.



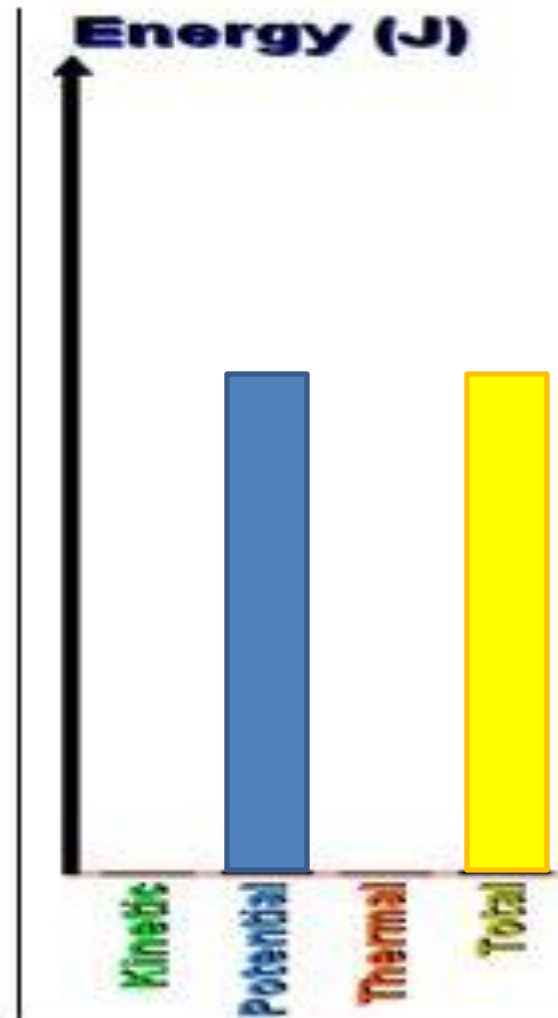
Top of the ramp, stopped for just an instant.



# Solution



Top of the ramp, stopped  
for just an instant.



Draw a possible bar graph for the situation shown.



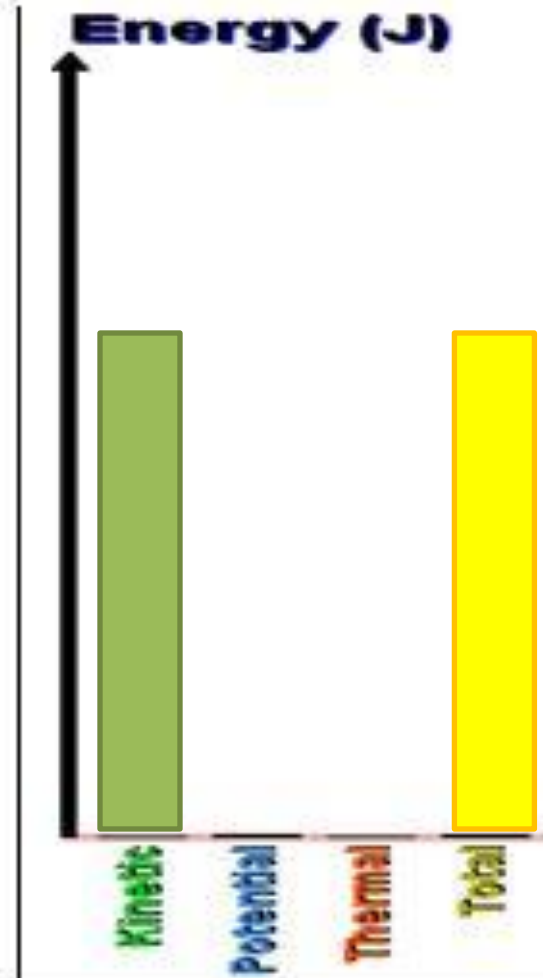
Bottom of the ramp,  
zooming past the middle.



# Solution



Bottom of the ramp,  
zooming past the middle.



Draw a possible bar graph for the situation shown.



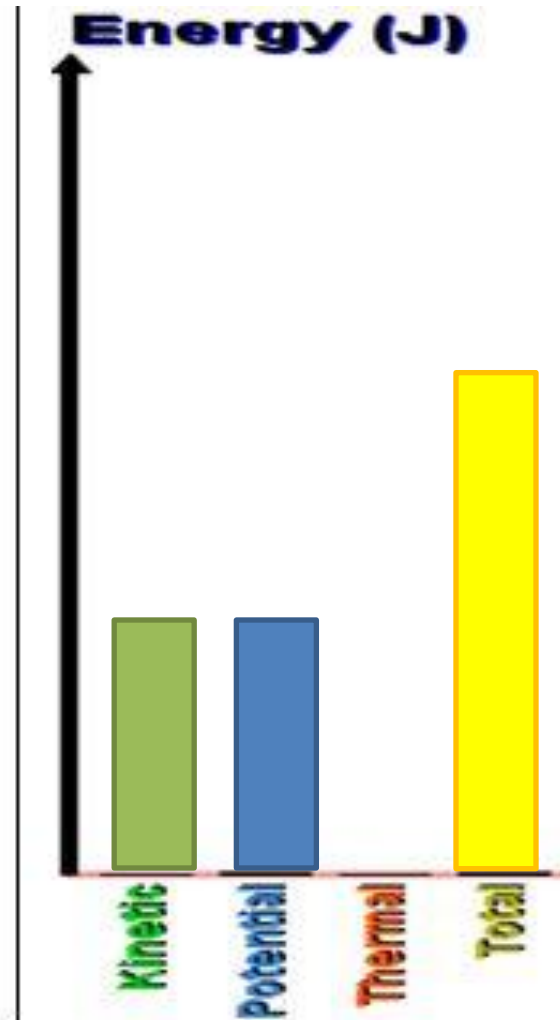
Midway down the ramp,  
moving about mid-speed.



# Solution



Midway down the ramp,  
moving about mid-speed.



Draw a possible bar graph for the situation shown.



3/4 of the way down the ramp, moving pretty fast.

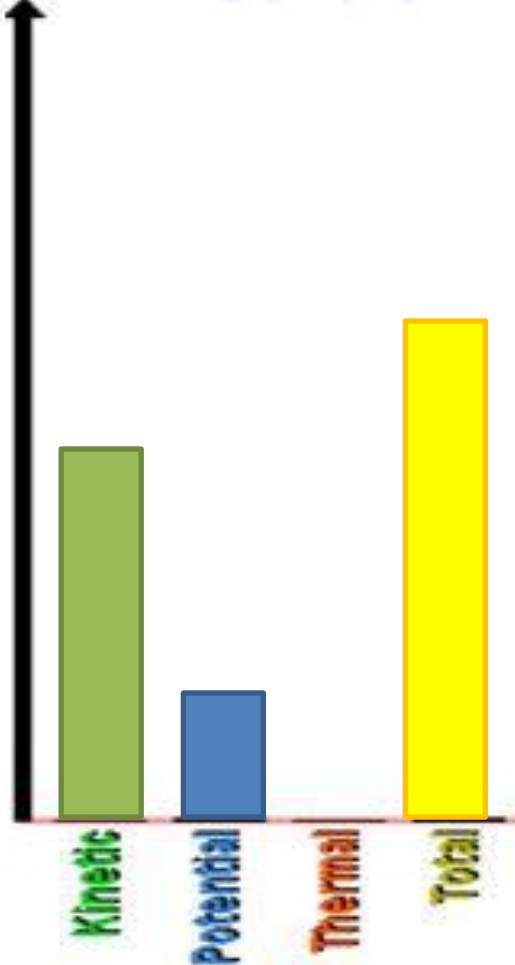


# Solution



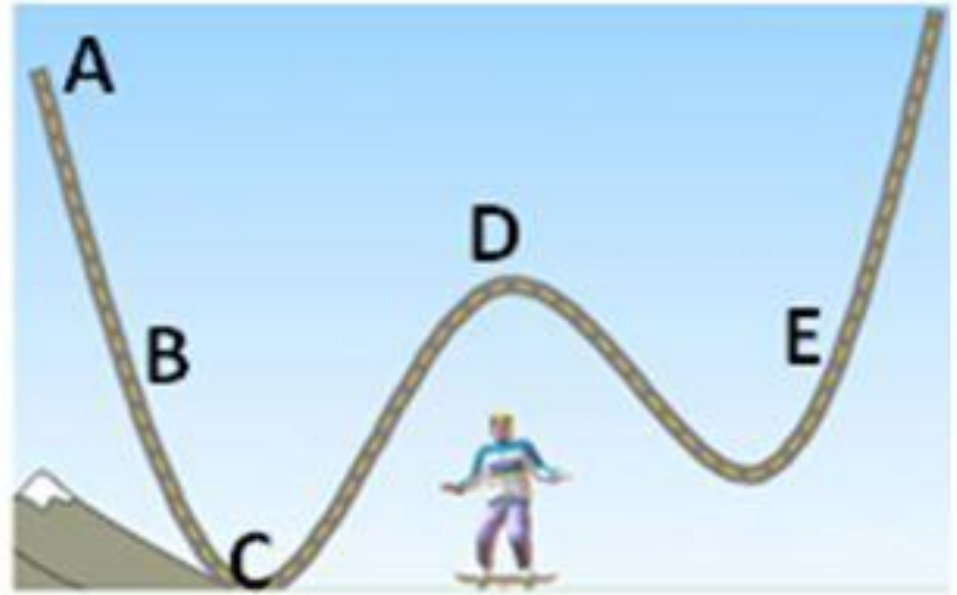
3/4 of the way down the ramp, moving pretty fast.

Energy (J)





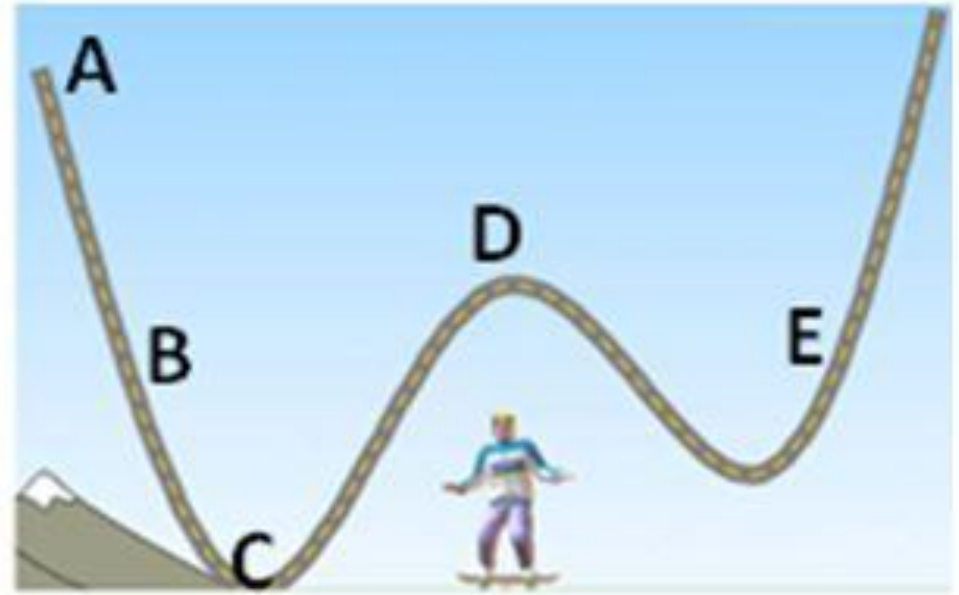
Consider this track.  
Imagine the skater is released at the point labeled "A." At which point or points on this track would the skater have the **most kinetic energy**?



A  
B  
C  
D  
E

## Solution

Consider this track.  
Imagine the skater is released at the point labeled "A." At which point or points on this track would the skater have the **most kinetic energy**?



A

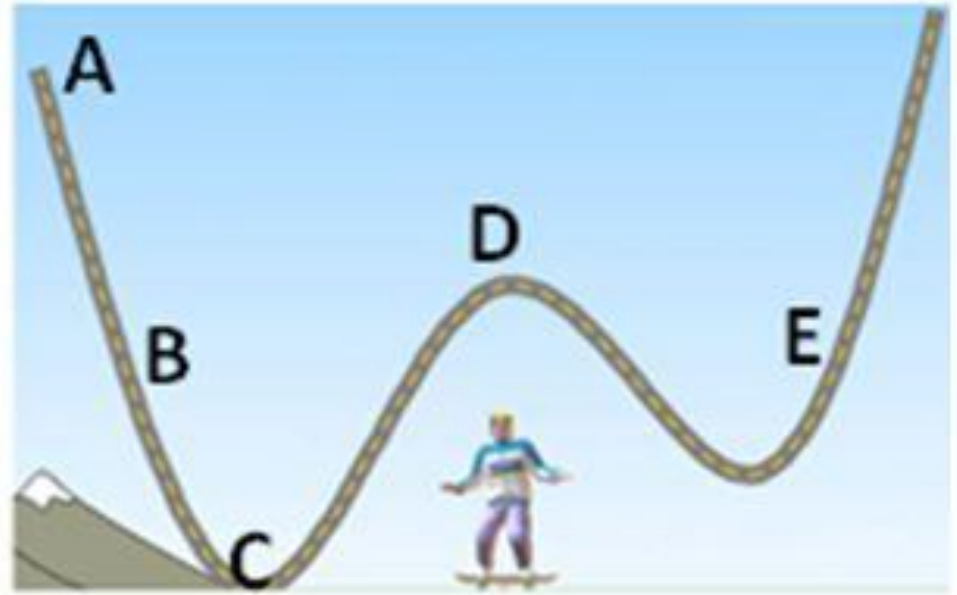
B

C

D

E

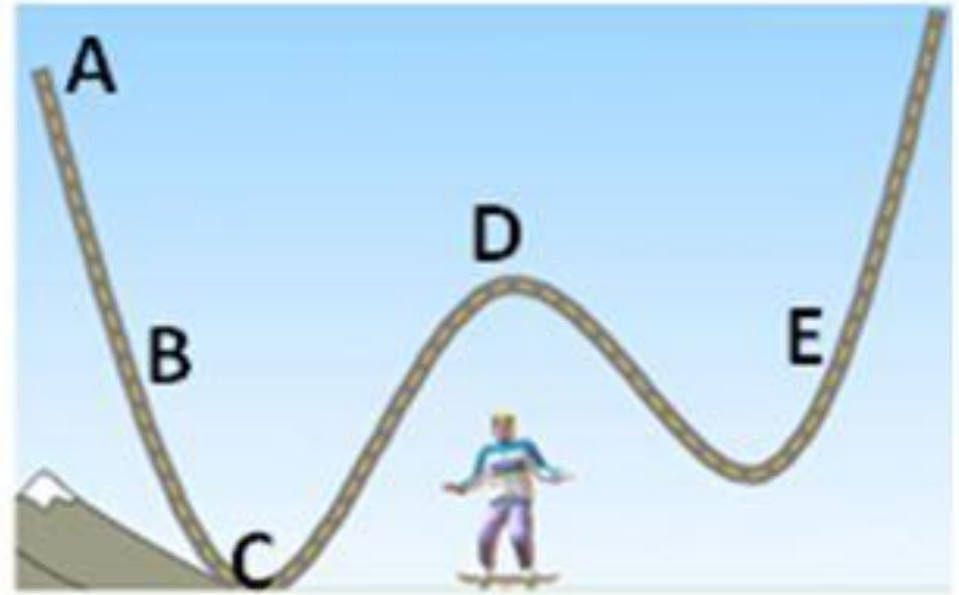
Consider this track.  
Imagine the skater is released at the point labeled "A." At which point or points on this track would the skater have the **most** gravitational potential energy?



A  
B  
C  
D  
E

## Solution

Consider this track.  
Imagine the skater is released at the point labeled "A." At which point or points on this track would the skater have the **most** gravitational potential energy?



A

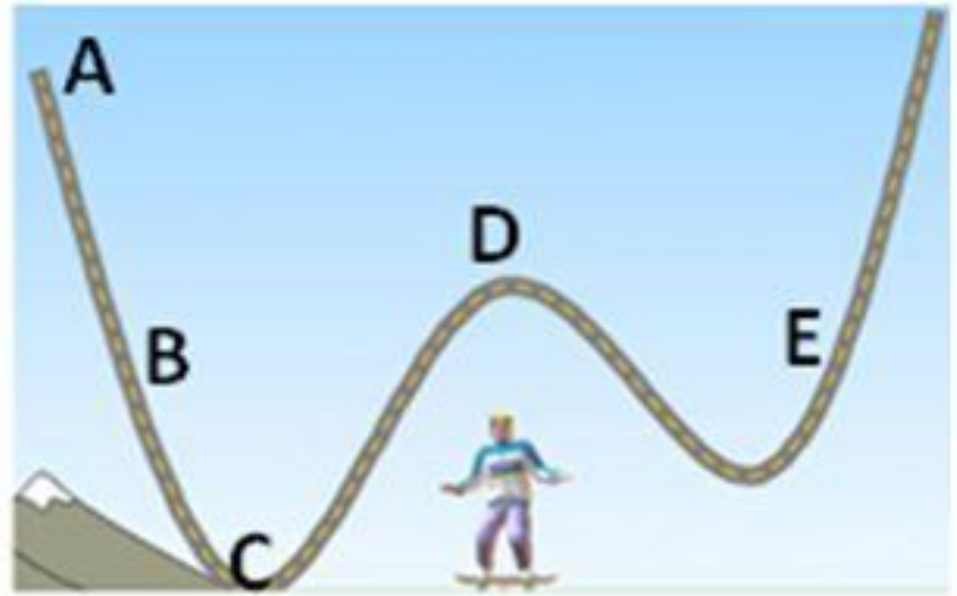
B

C

D

E

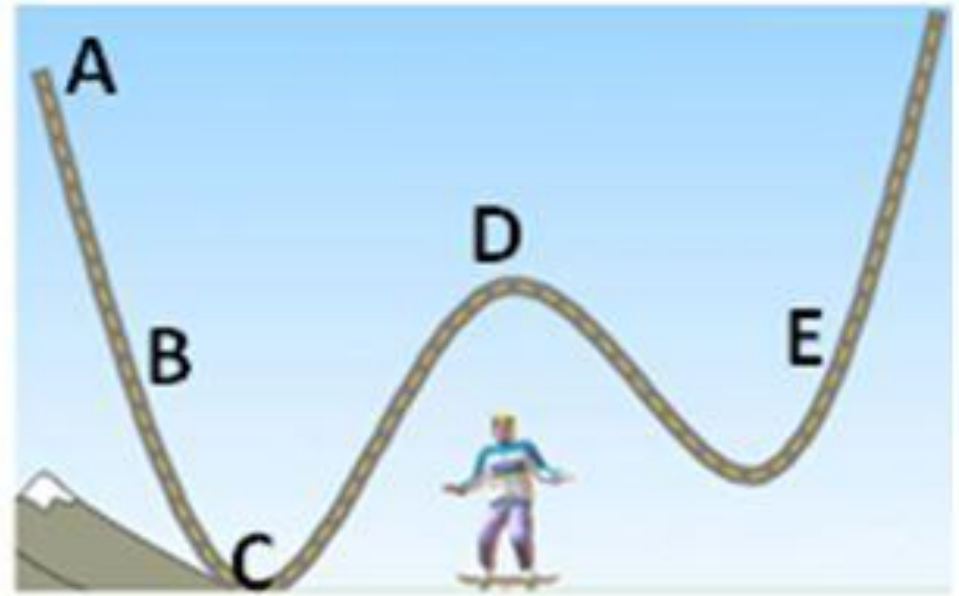
Consider this track.  
Imagine the skater is released at the point labeled "A." At which **two** points on this track would the skater have the **same kinetic energy**?



A  
B  
C  
D  
E

## Solution

Consider this track.  
Imagine the skater is released at the point labeled "A." At which **two** points on this track would the skater have the **same kinetic energy**?



A

B

C

D

E