

# Phet

Click this Link

[Energy Skate Park](#)

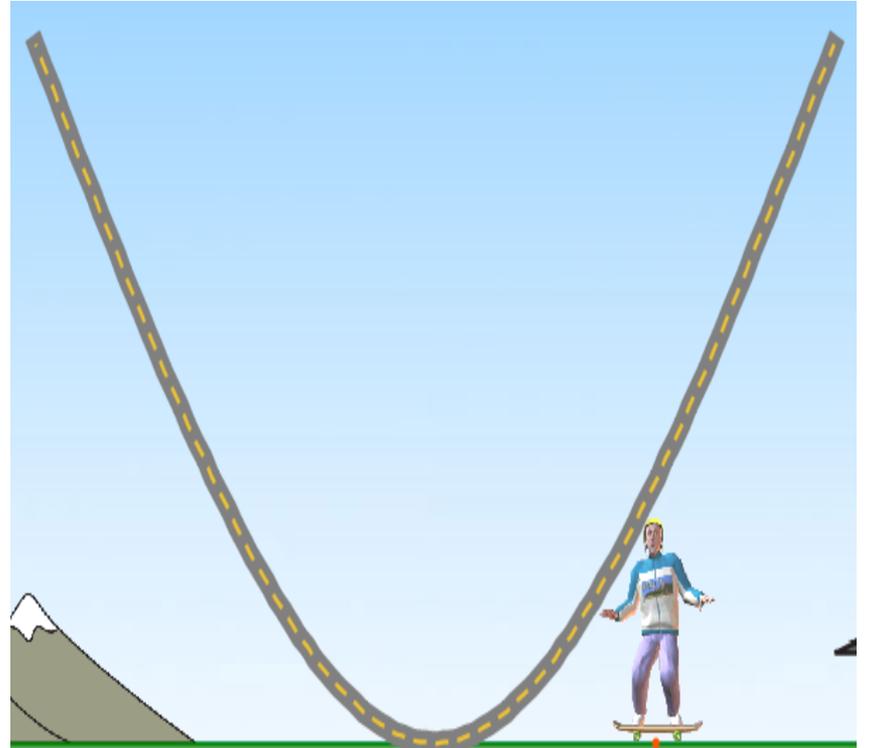
# Directions

1. Use this link: [Energy Skate Park](#)
2. Write your answers on a piece of notebook paper. Make sure the answers are clearly marked and written neatly.
3. Use the simulation to test each situation where you are unsure of the answer.

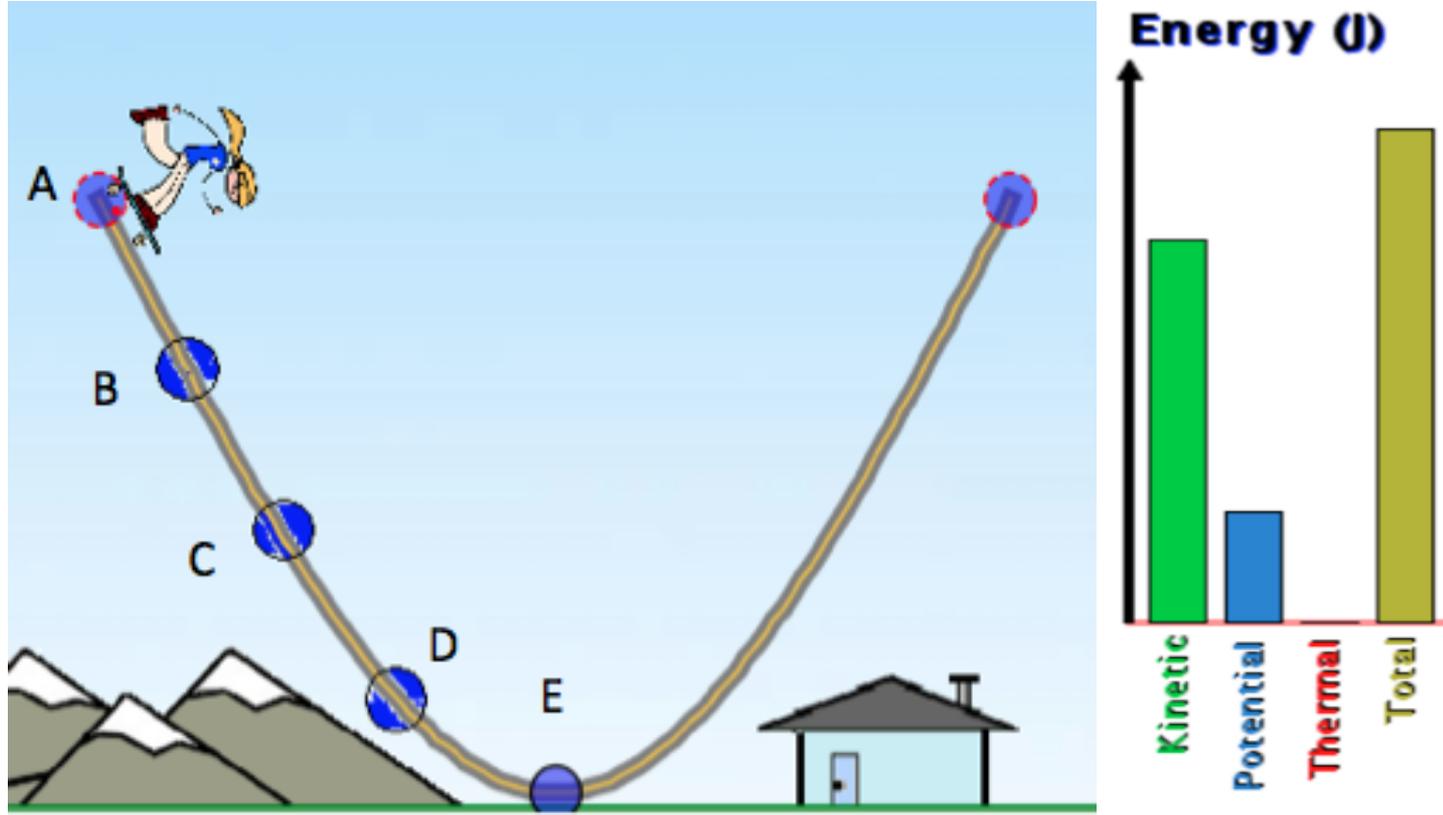
# FIRST STEP

Change the ramp style

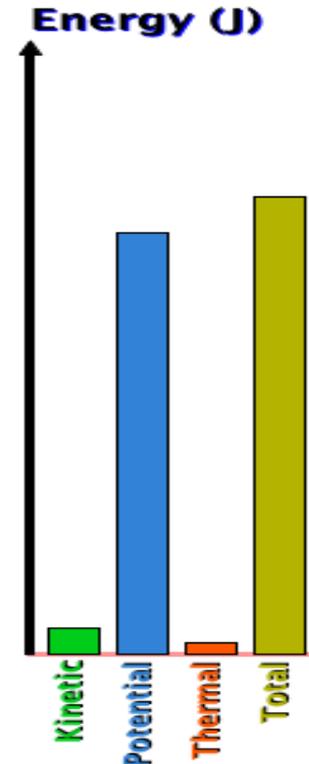
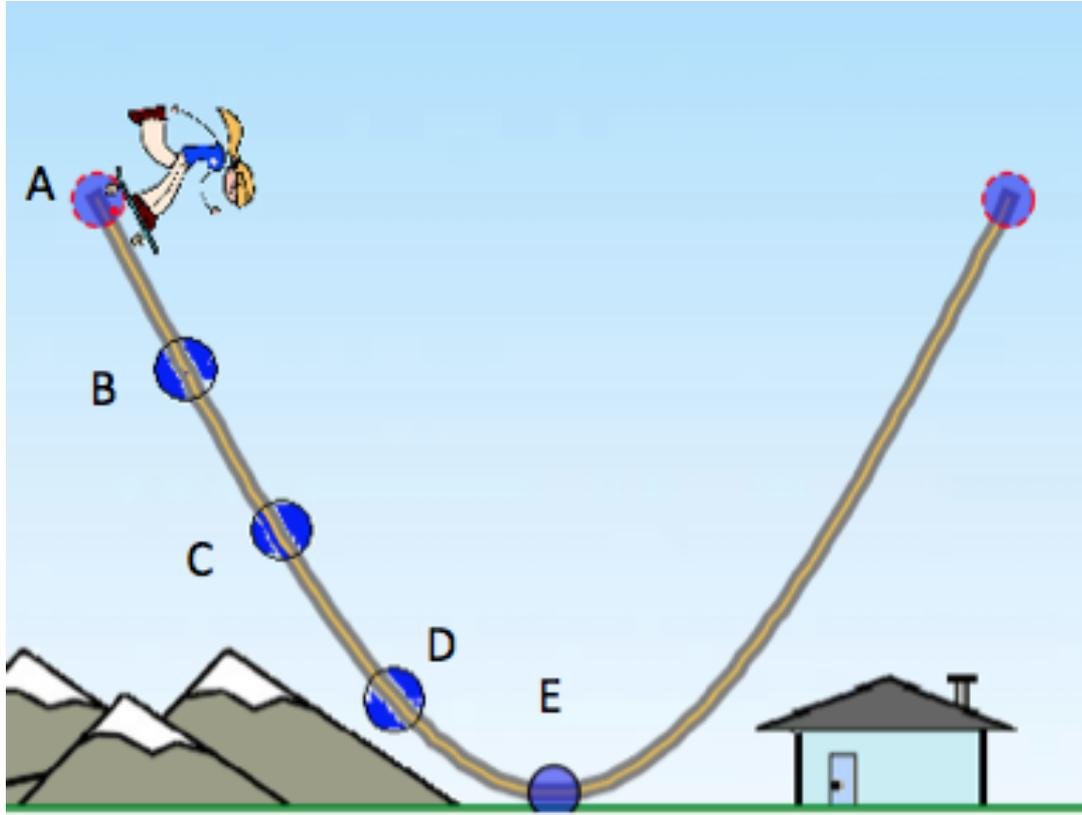
Answer multiple choice questions #1-5



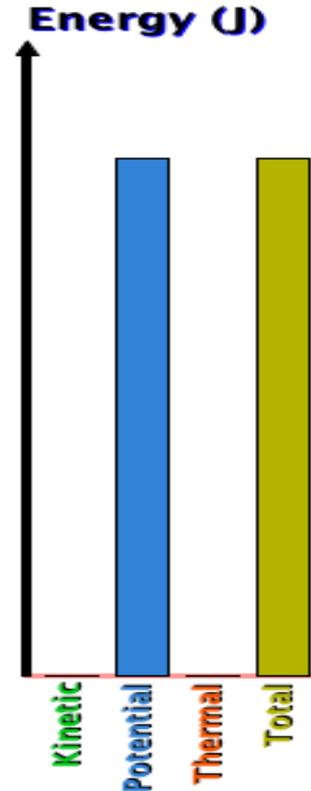
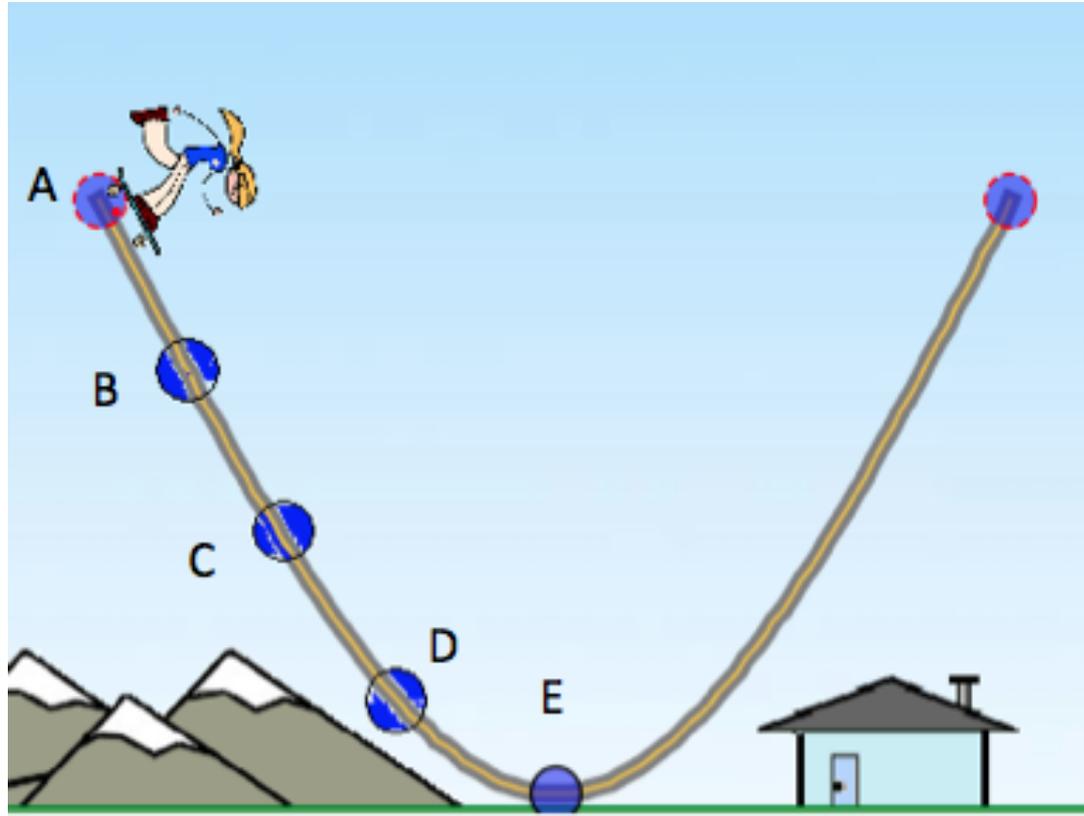
**#1** According to the bar chart, the skater is currently at which point?



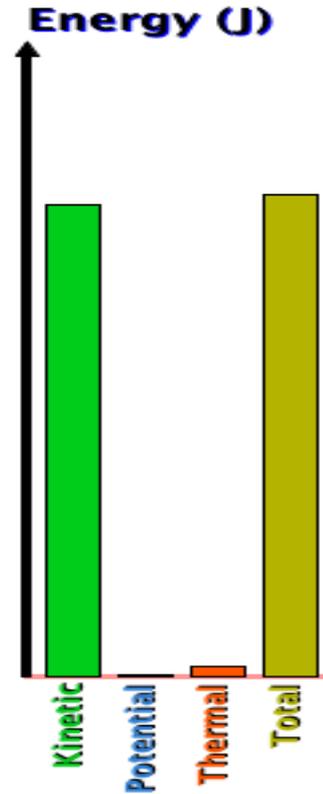
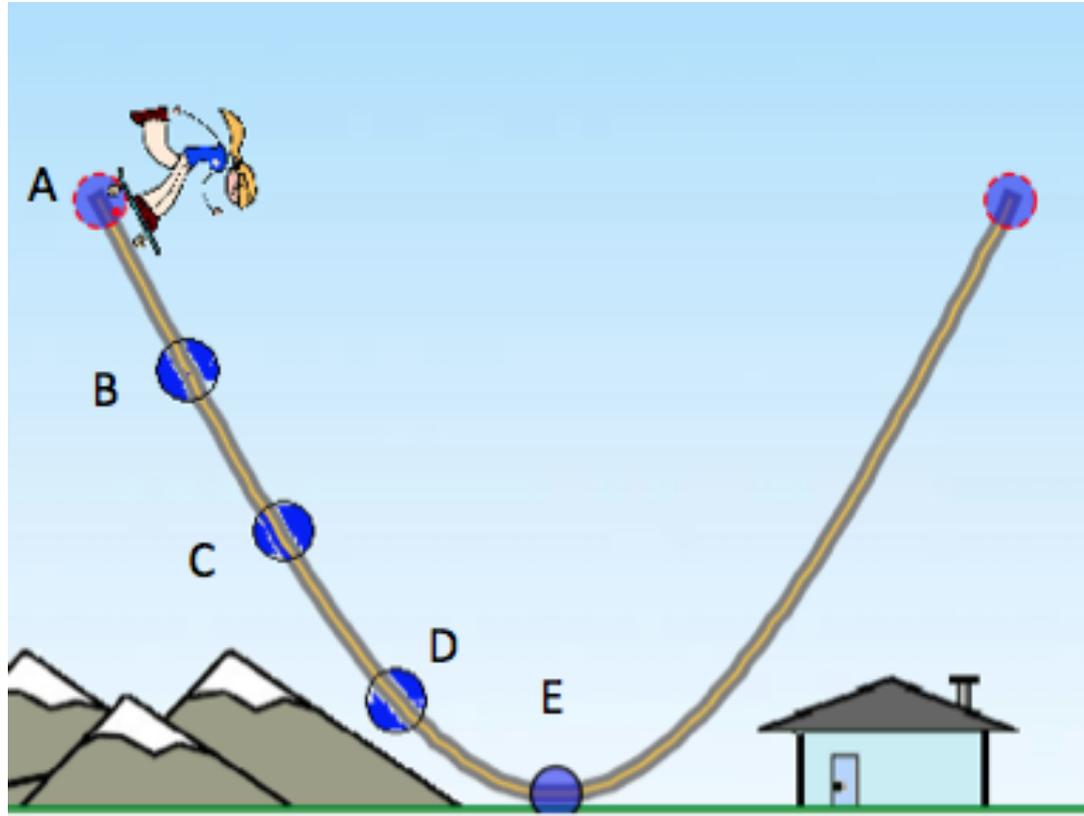
**#2** According to the bar chart, the skater is currently at which point?



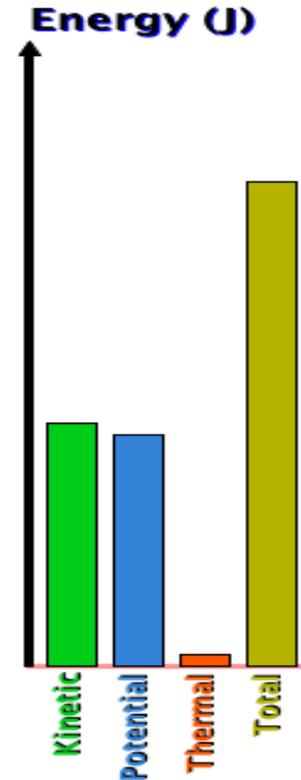
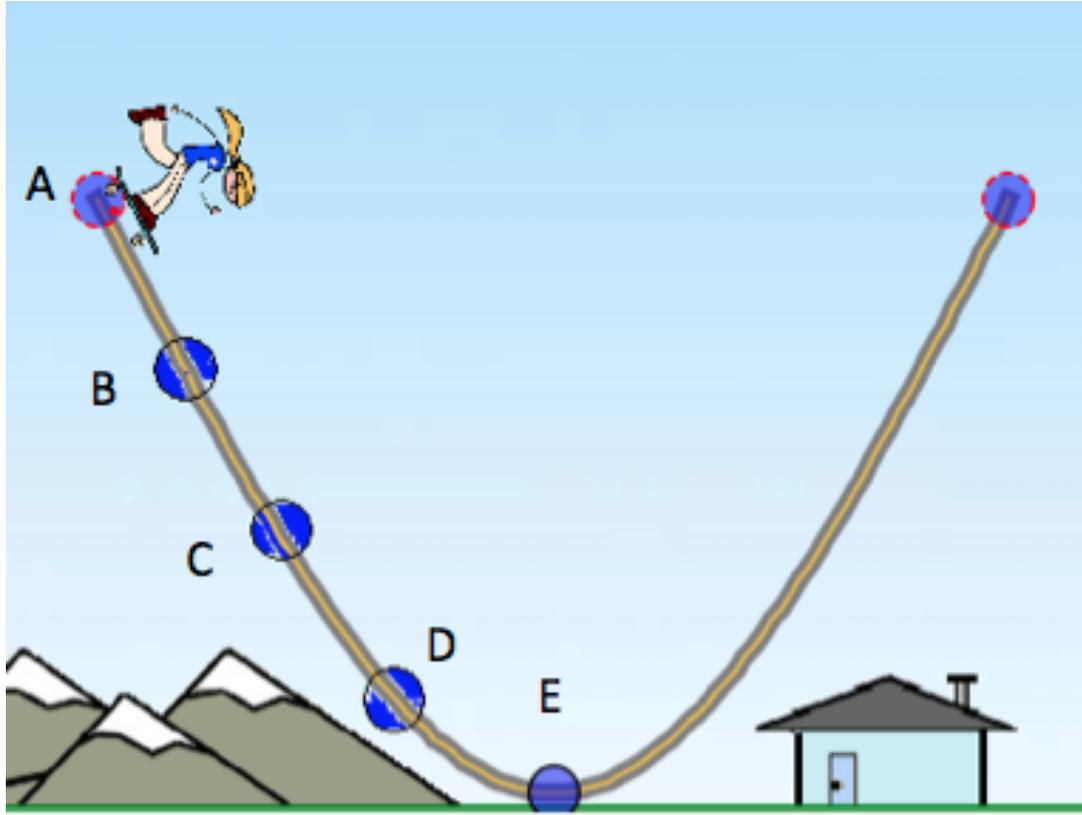
**#3** According to the bar chart, the skater is currently at which point?



**#4** According to the bar chart, the skater is currently at which point?



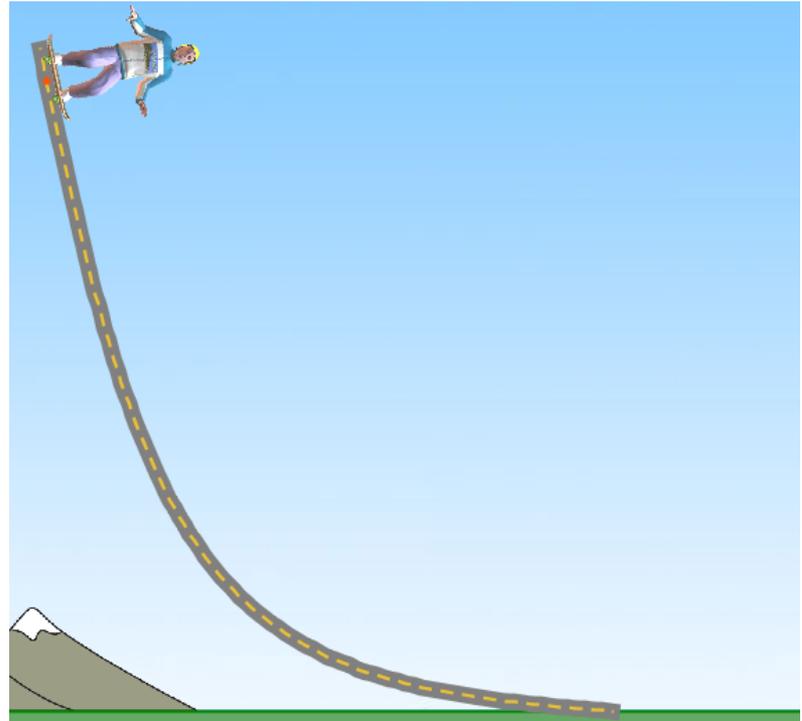
**#5** According to the bar chart, the skater is currently at which point?



# NEXT STEP

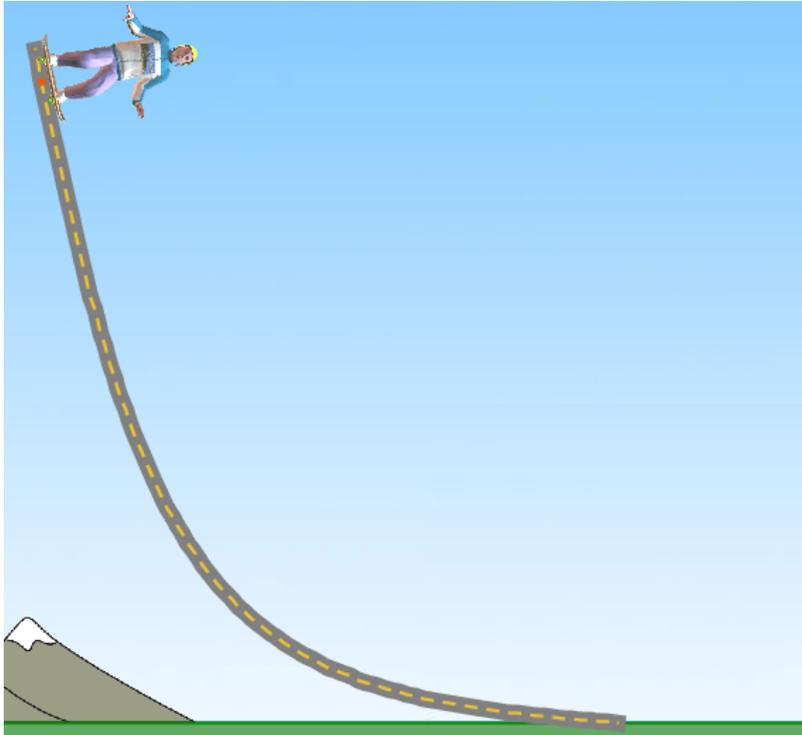
Change the ramp style

You will need to draw  
the bar chart for #6-8



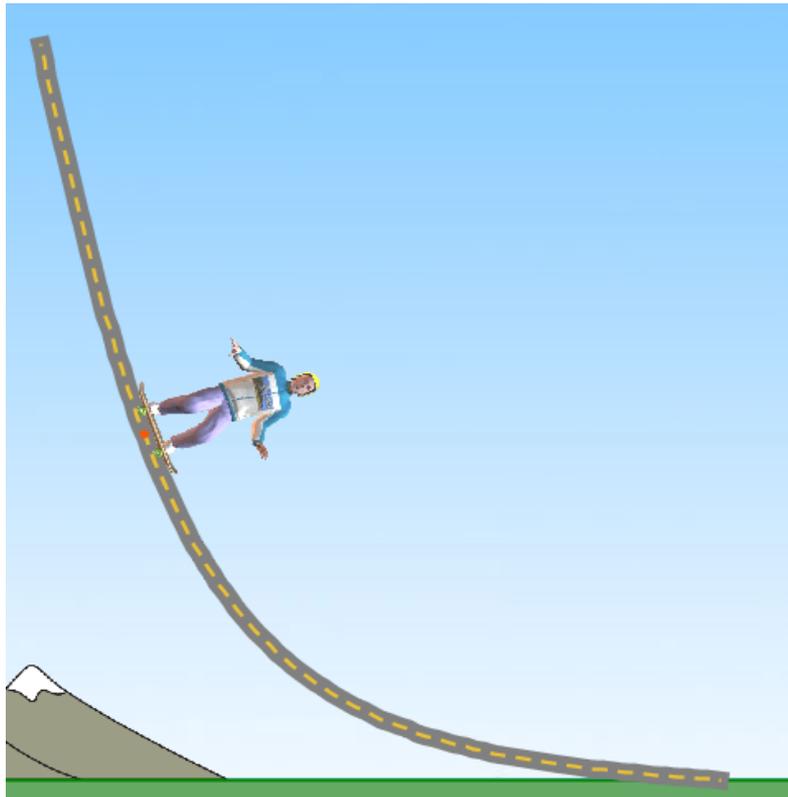
**#6**

What does the bar chart look like when the skater is at the highest point?



# #7

What does the bar chart look like when the skater is at the middle point?

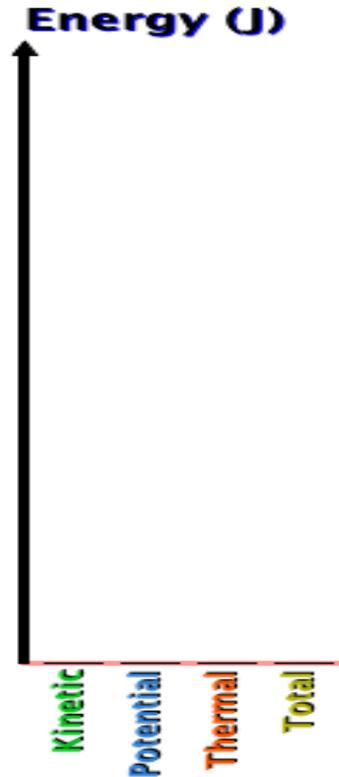
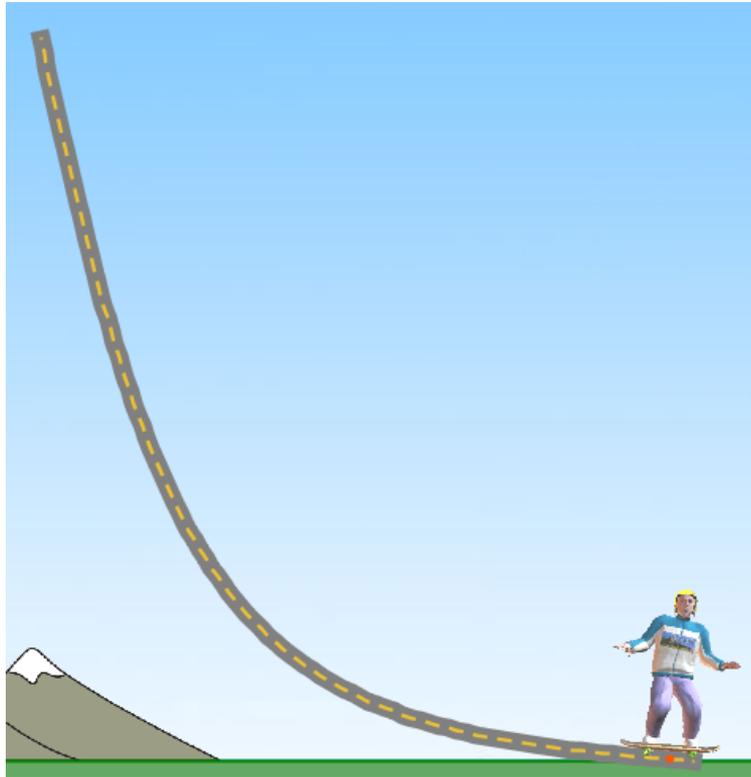


Energy (J)



# #8

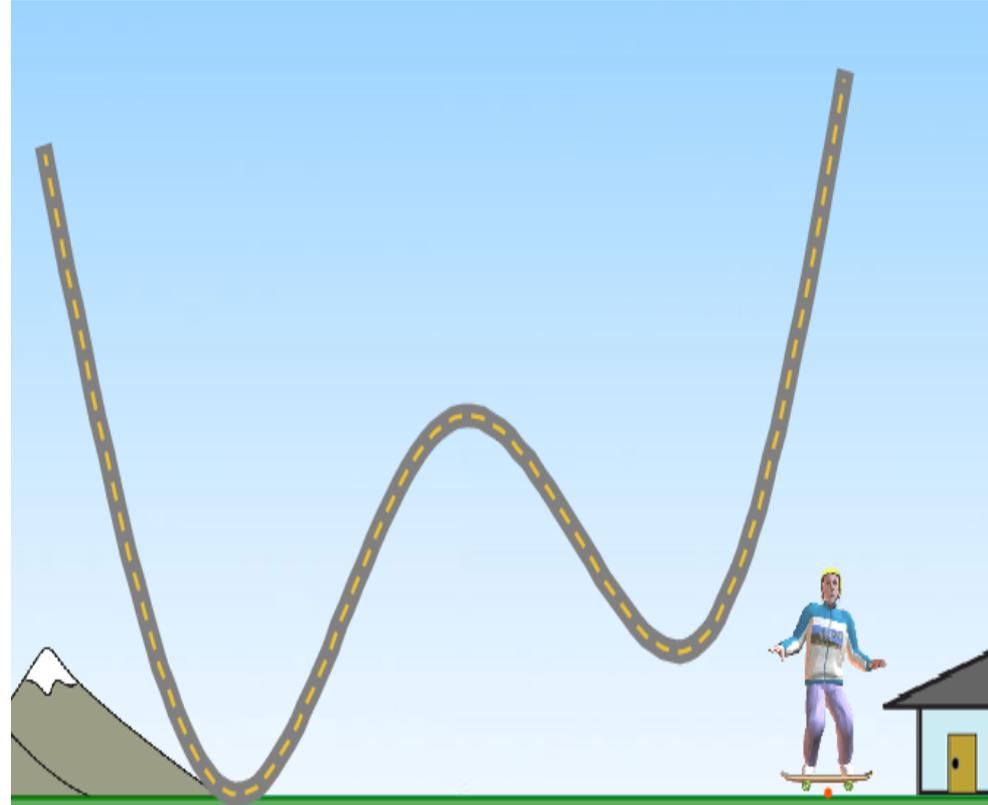
What does the bar chart look like when the skater is at the lowest point?



# NEXT STEP

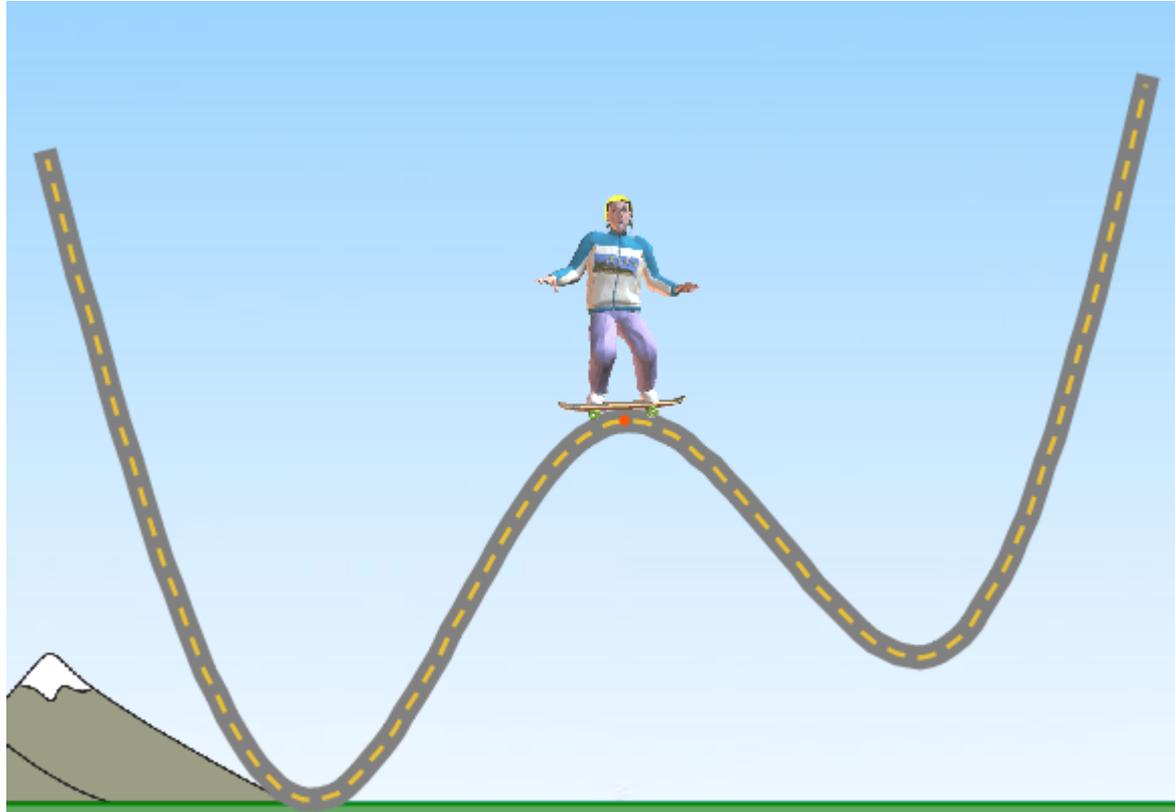
Change the ramp style

You will need to write complete sentences for questions #9-11

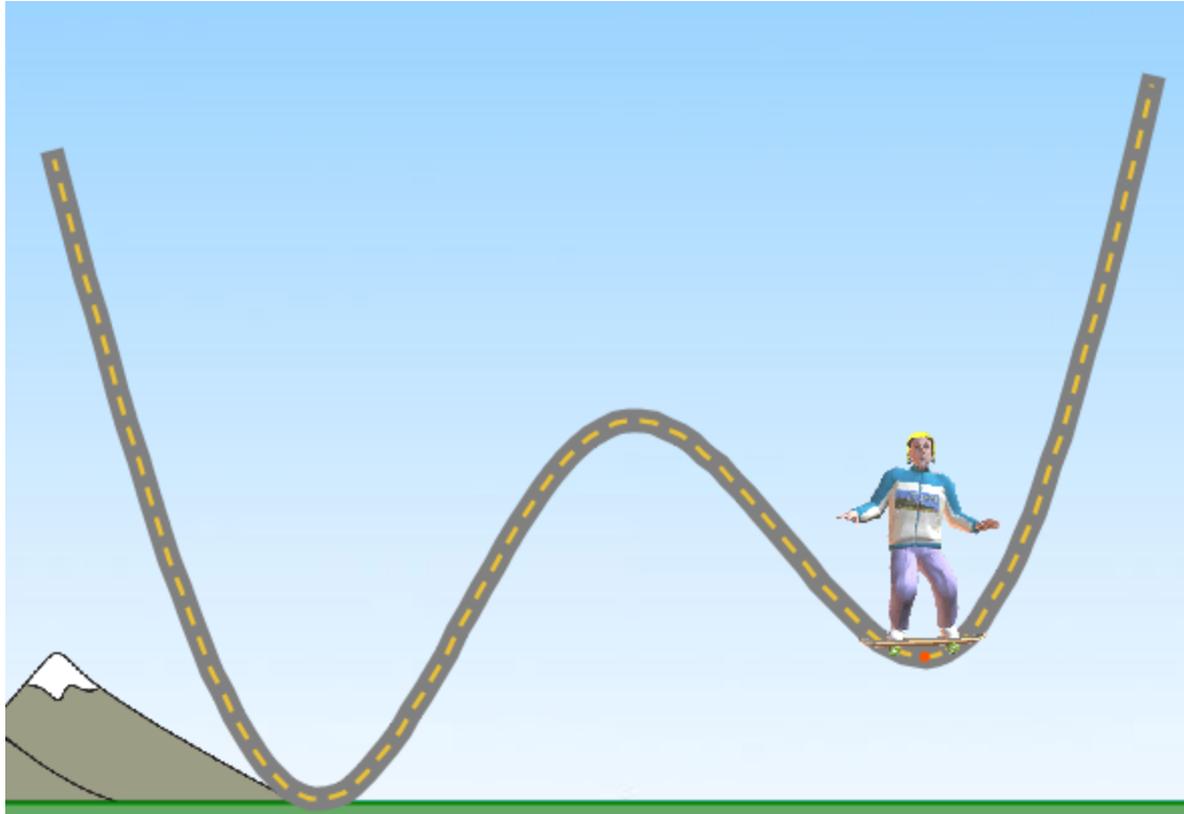


**#9**

Describe the kinetic energy and potential energy of the skater at this point.



**#10** Describe the kinetic energy and potential energy of the skater at this point.



**#11** Describe the kinetic energy and potential energy of the skater at this point.

