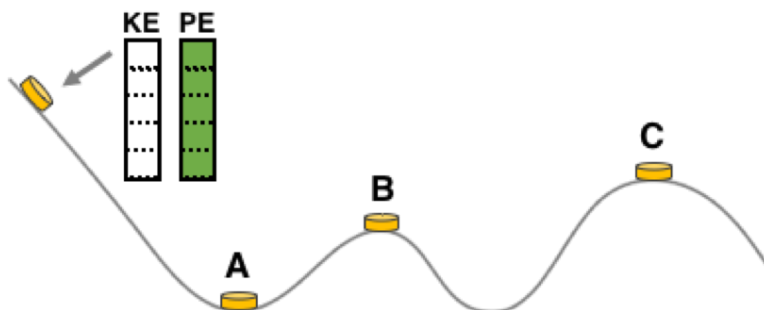


Match That Bar Chart

Question Group 1

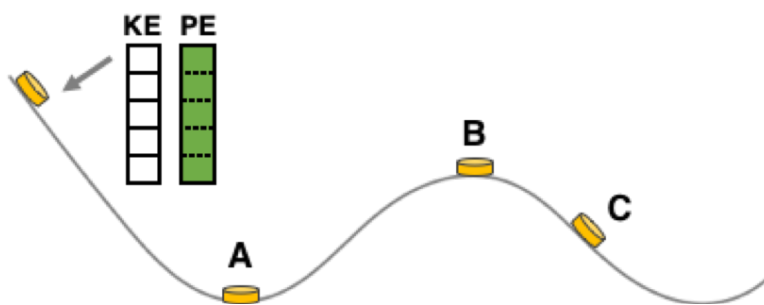
Question 1

A disk slides along a "friction-free" surface. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



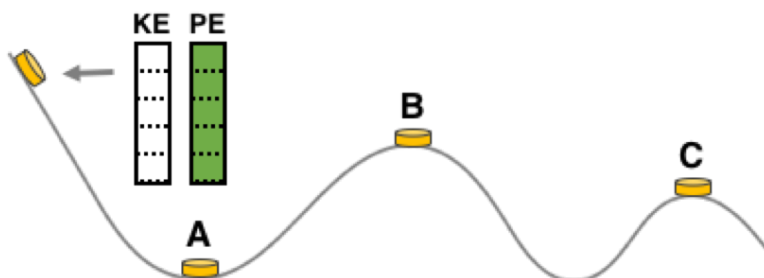
Question 2

A disk slides along a "friction-free" surface. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 3

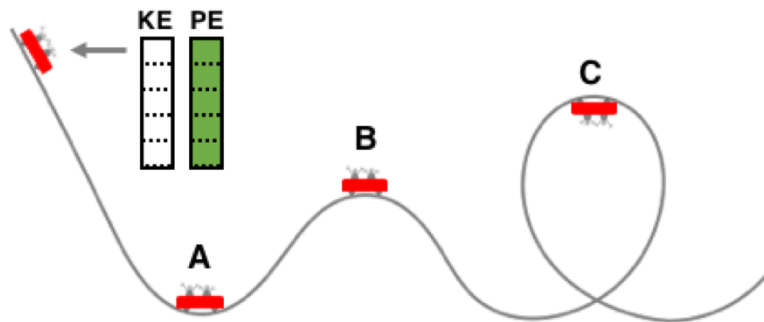
A disk slides along a "friction-free" surface. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question Group 2

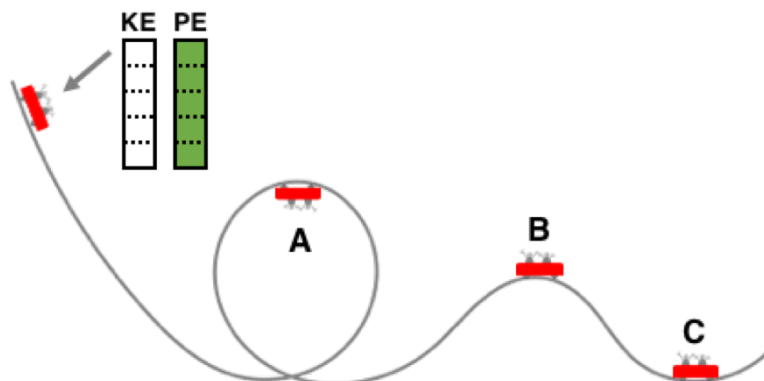
Question 4

A coaster car rolls along a "friction-free" track. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



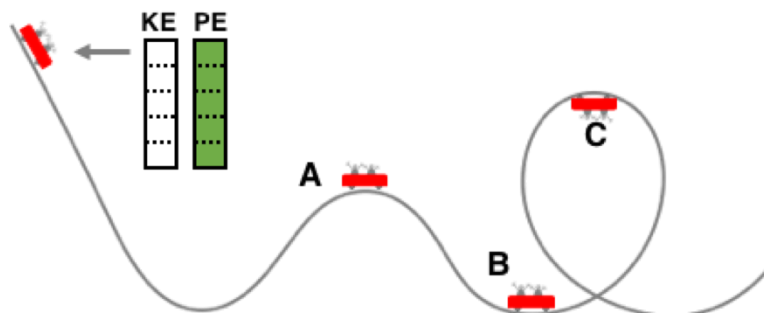
Question 5

A coaster car rolls along a "friction-free" track. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 6

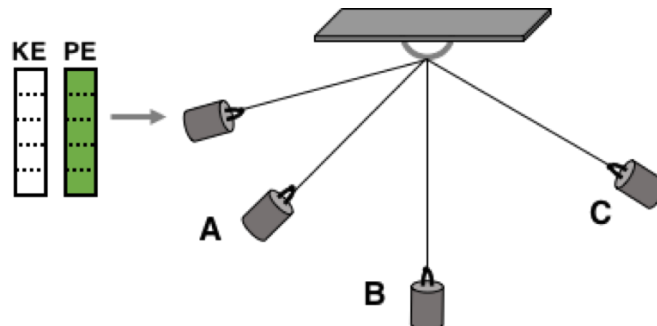
A coaster car rolls along a "friction-free" track. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question Group 3

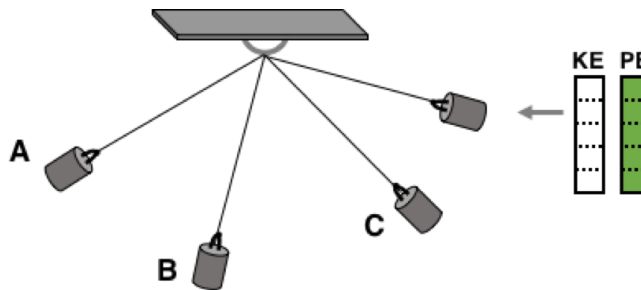
Question 7

A pendulum bob swings along its characteristic arc as shown. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



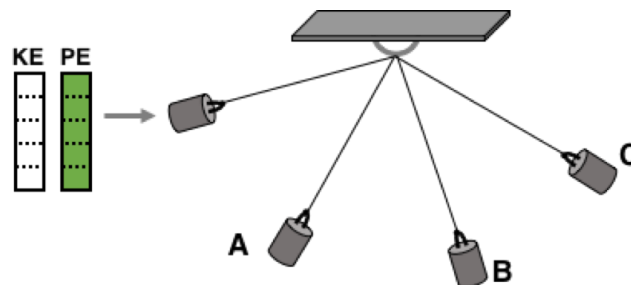
Question 8

A pendulum bob swings along its characteristic arc as shown. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 9

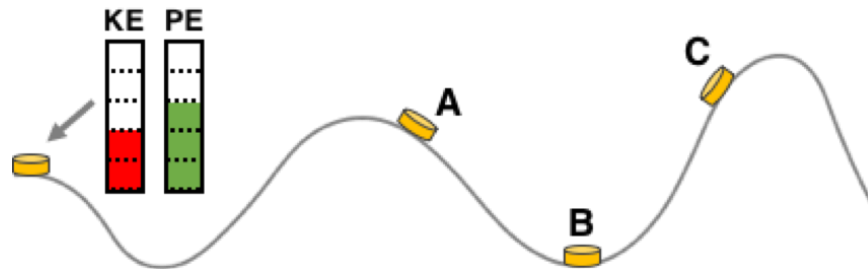
A pendulum bob swings along its characteristic arc as shown. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question Group 4

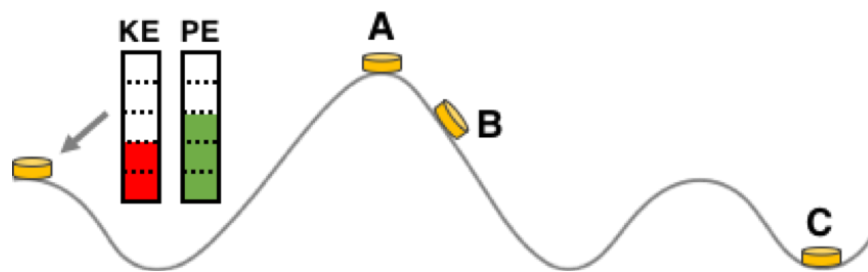
Question 10

A disk slides along a "friction-free" surface. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



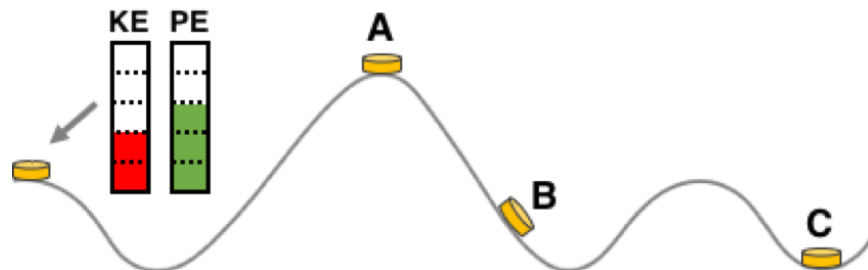
Question 11

A disk slides along a "friction-free" surface. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 12

A disk slides along a "friction-free" surface. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.

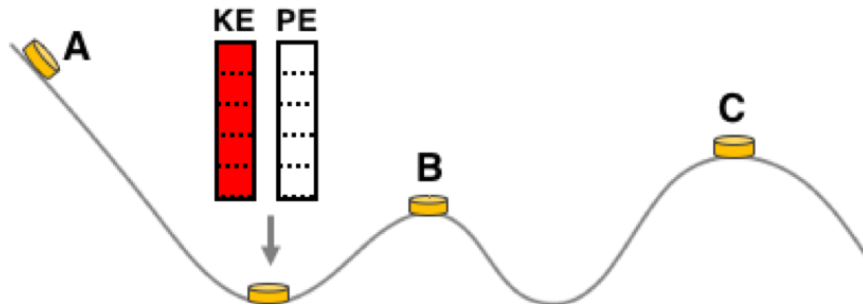


Master Difficulty Level

Question Group 5

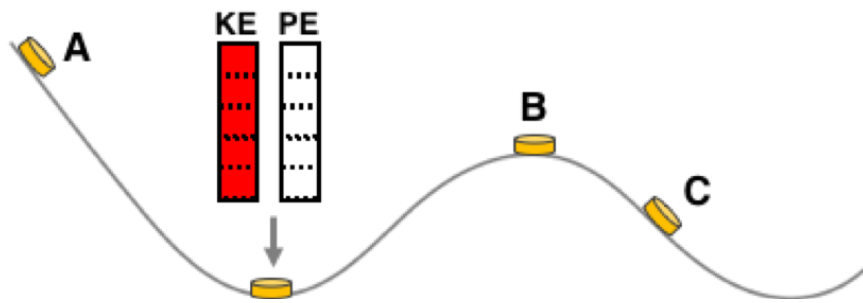
Question 13

A disk slides along a "friction-free" surface. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



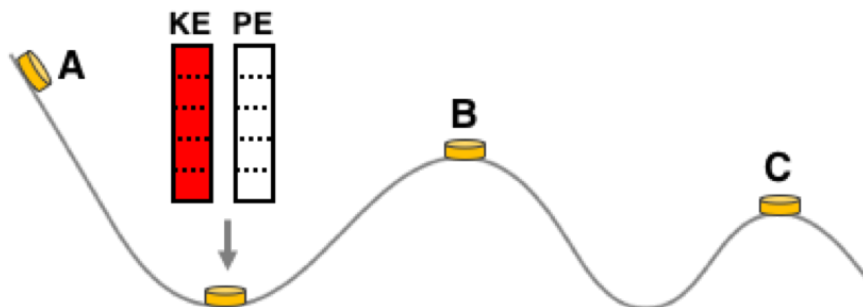
Question 14

A disk slides along a "friction-free" surface. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 15

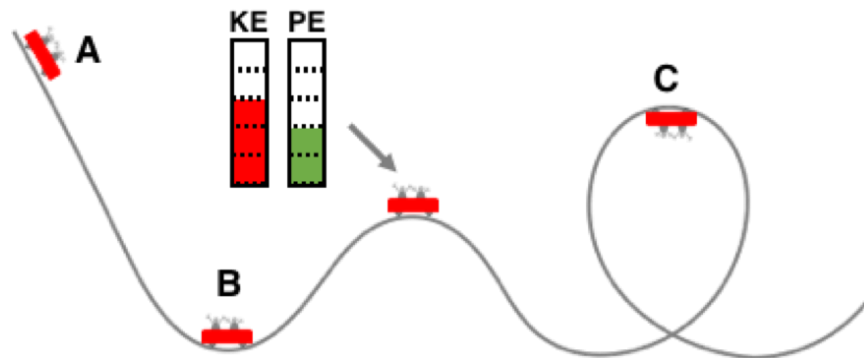
A disk slides along a "friction-free" surface. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question Group 6

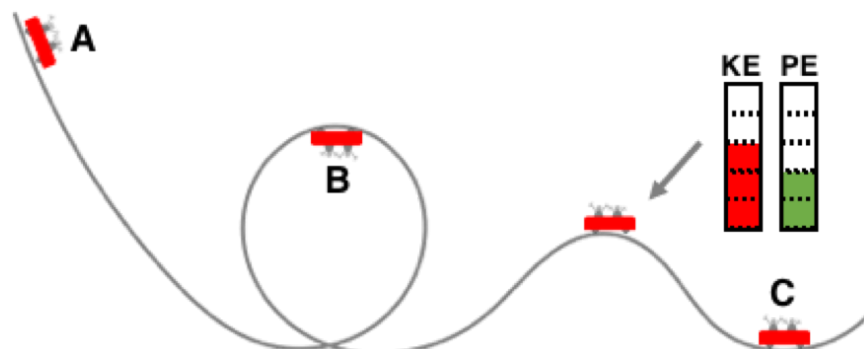
Question 16

A coaster car rolls along a "friction-free" track. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



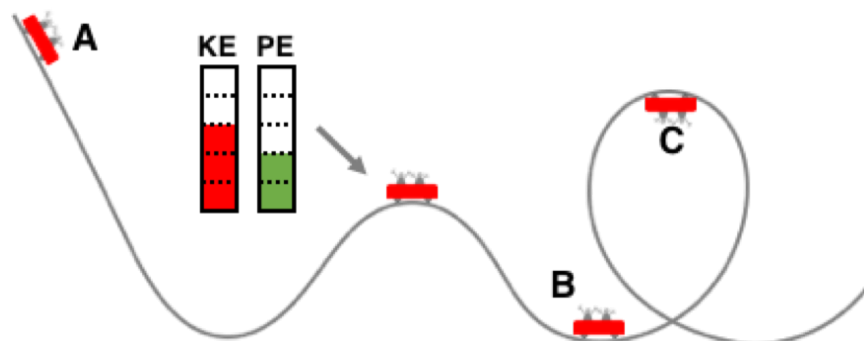
Question 17

A coaster car rolls along a "friction-free" track. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 18

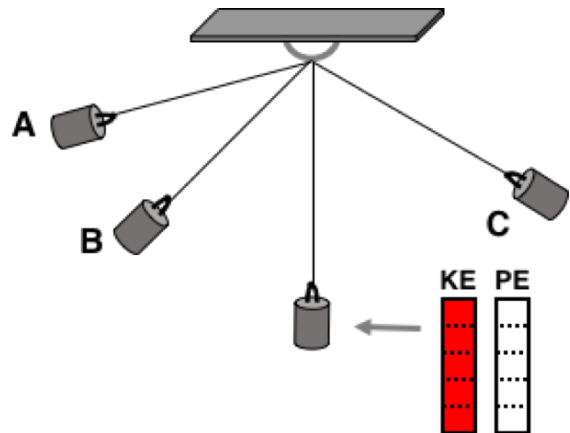
A coaster car rolls along a "friction-free" track. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question Group 7

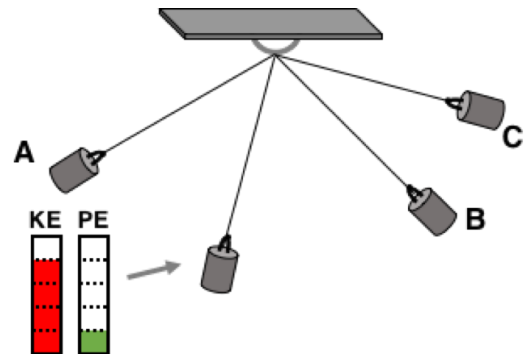
Question 19

A pendulum bob swings along its characteristic arc as shown. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



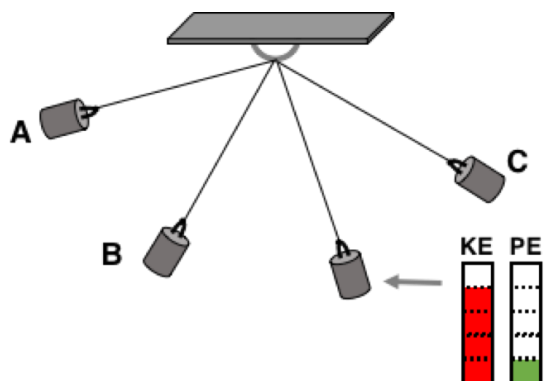
Question 20

A pendulum bob swings along its characteristic arc as shown. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 21

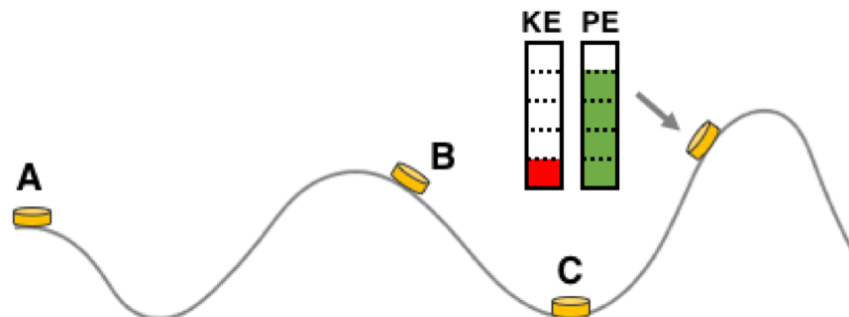
A pendulum bob swings along its characteristic arc as shown. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question Group 8

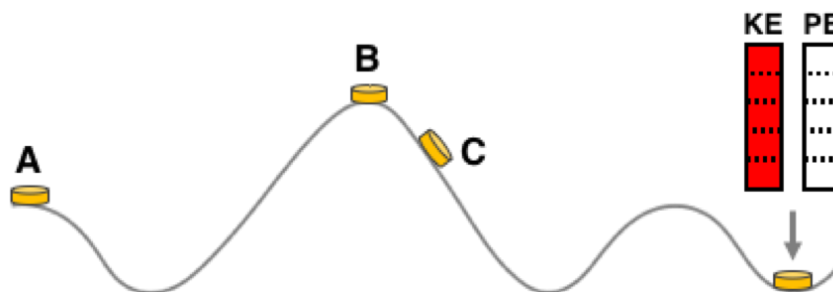
Question 22

A disk slides along a "friction-free" surface. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



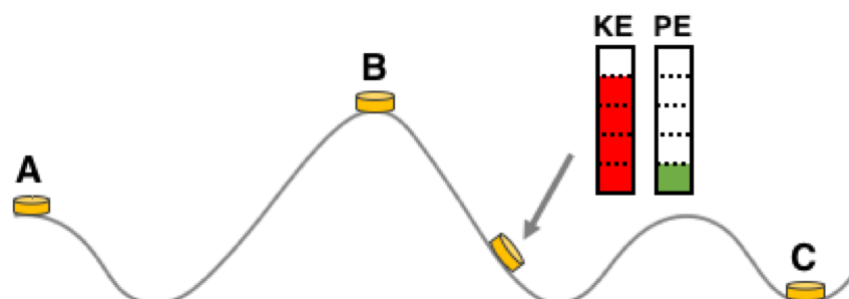
Question 23

A disk slides along a "friction-free" surface. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 24

A disk slides along a "friction-free" surface. Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.

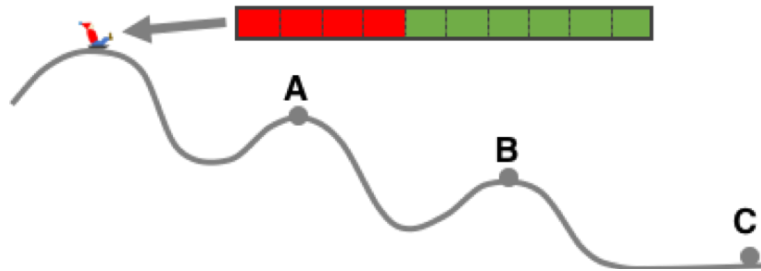


Wizard Difficulty Level

Question Group 9

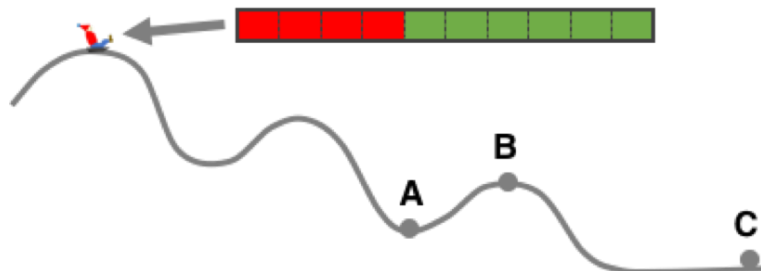
Question 25

A sledder coasts over a series of hills before eventually stopping (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



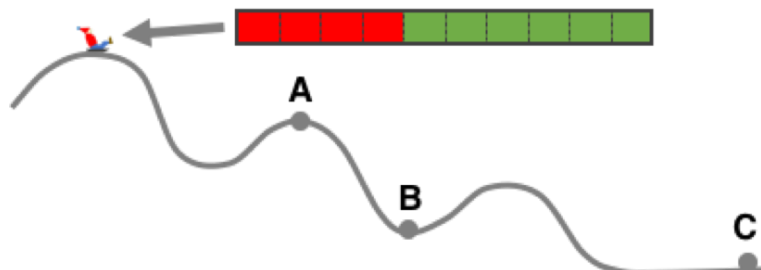
Question 26

A sledder coasts over a series of hills before eventually stopping (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 27

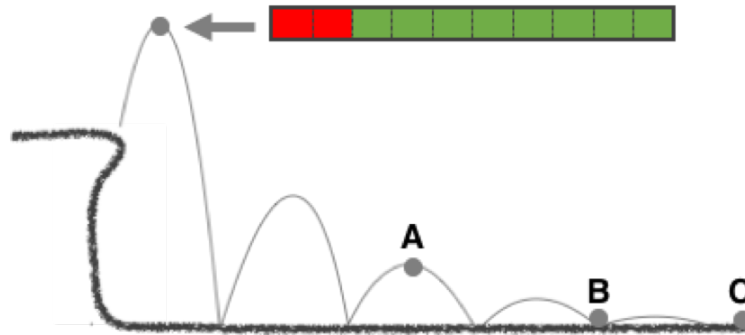
A sledder coasts over a series of hills before eventually stopping (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question Group 10

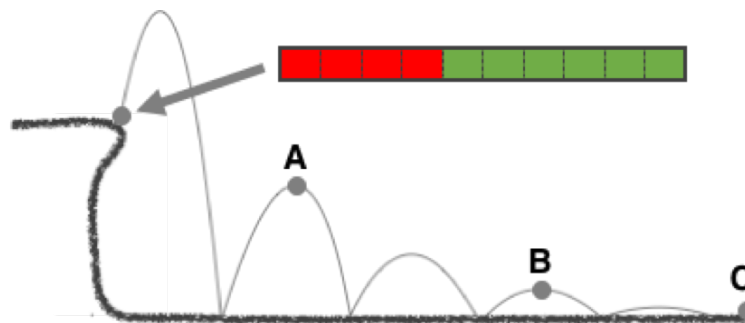
Question 28

A ball is projected at an angle from the top of a cliff and bounces several times before eventually stopping (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



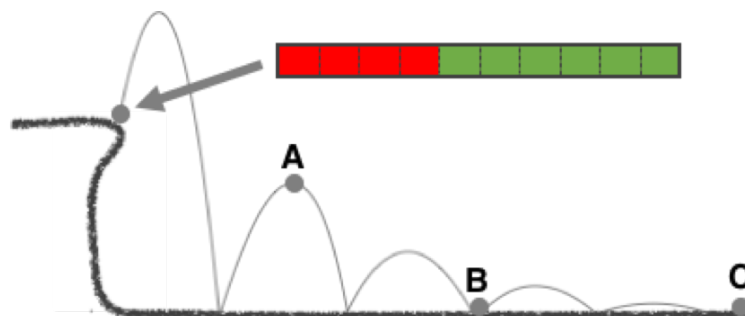
Question 29

A ball is projected horizontally from the top of a cliff and bounces several times before eventually stopping (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 30

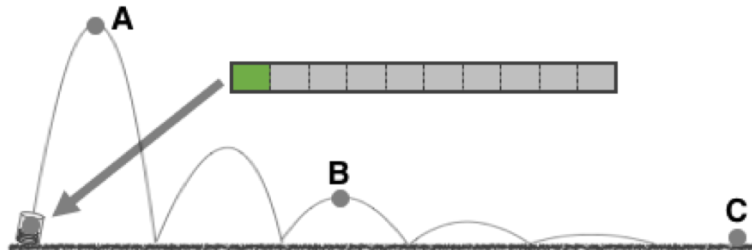
A ball is projected horizontally from the top of a cliff and bounces several times before eventually stopping (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question Group 11

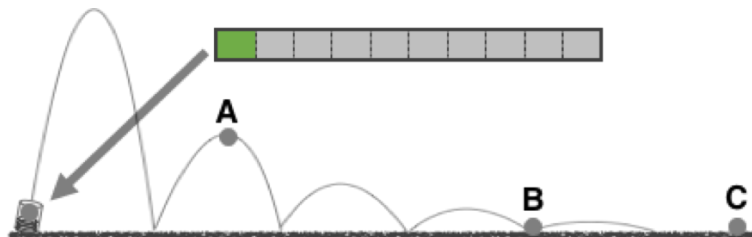
Question 31

A spring-loaded launcher shoots a ball at an angle; it bounces several times before eventually stopping (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



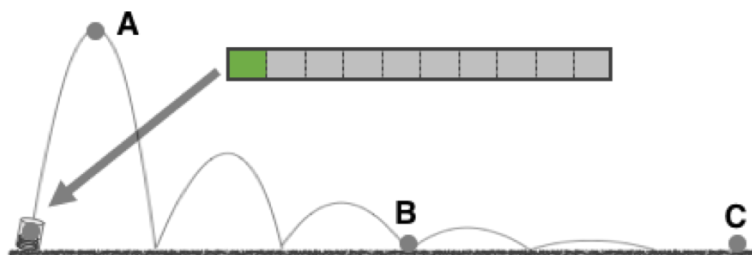
Question 32

A spring-loaded launcher shoots a ball at an angle; it bounces several times before eventually stopping (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 33

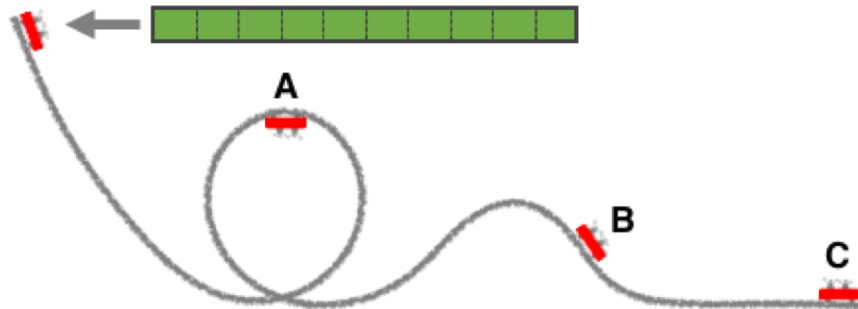
A spring-loaded launcher shoots a ball at an angle; it bounces several times before eventually stopping (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question Group 12

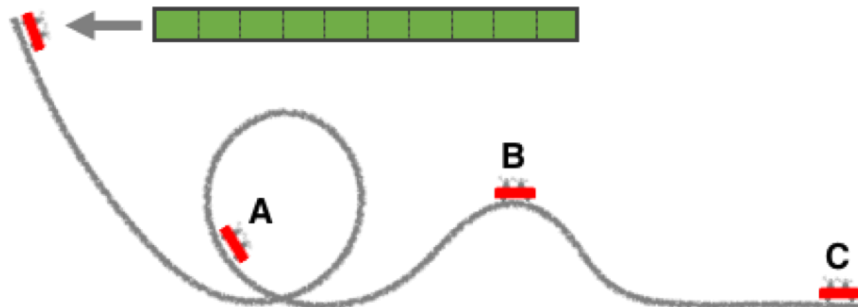
Question 34

A roller coaster car travels along a track until it reaches the braking section and is brought to a stop (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



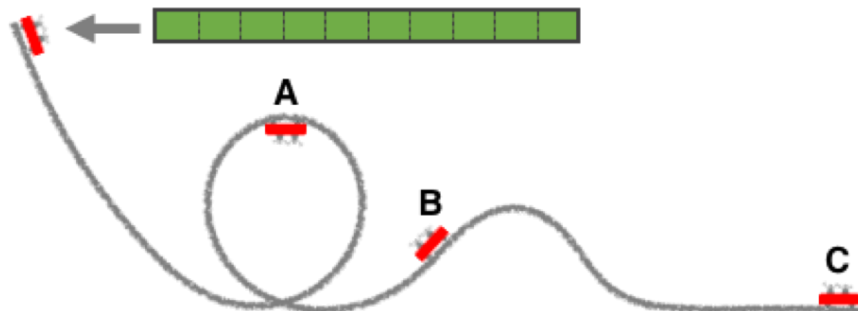
Question 35

A roller coaster car travels along a track until it reaches the braking section and is brought to a stop (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 36

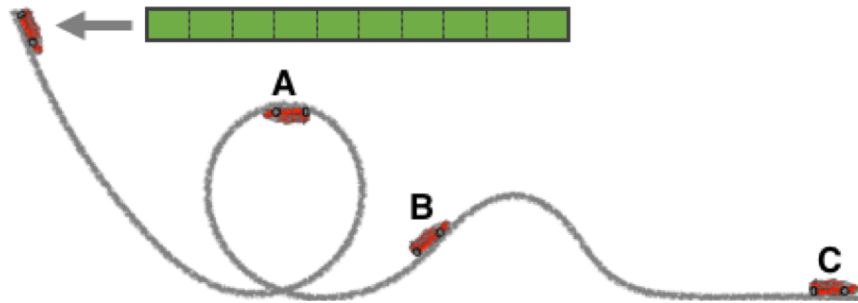
A roller coaster car travels along a track until it reaches the braking section and is brought to a stop (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question Group 13

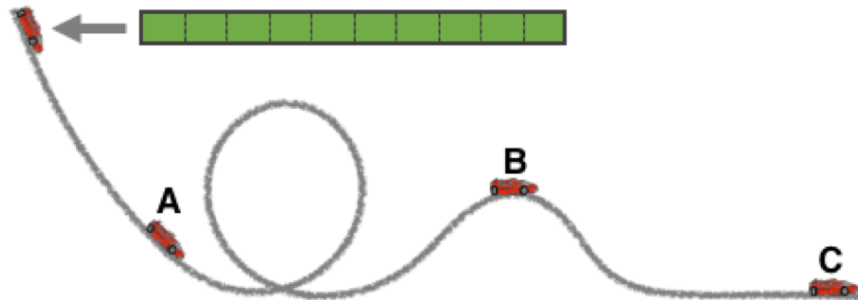
Question 37

A toy car rolls along a track until it finally slows to a stop (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



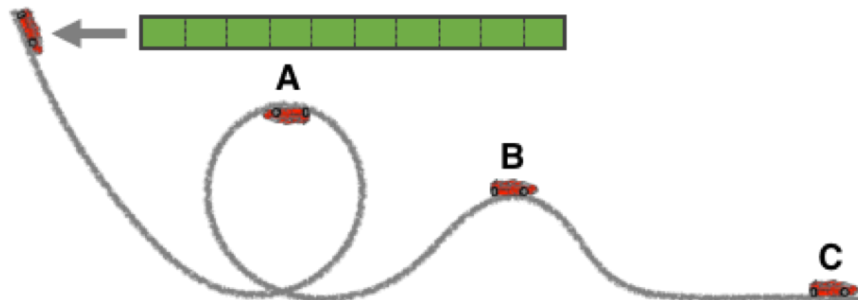
Question 38

A toy car rolls along a track until it finally slows to a stop (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 39

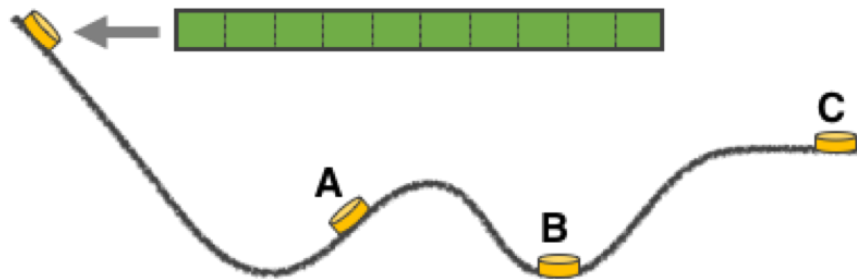
A toy car rolls along a track until it finally slows to a stop (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question Group 14

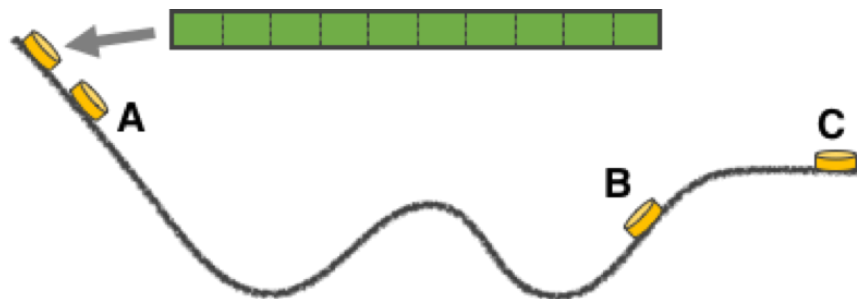
Question 40

A disk glides along a rough surface until it finally slows to a stop (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



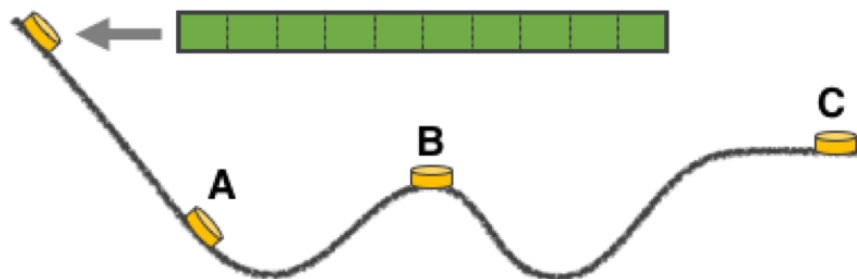
Question 41

A disk glides along a rough surface until it finally slows to a stop (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 42

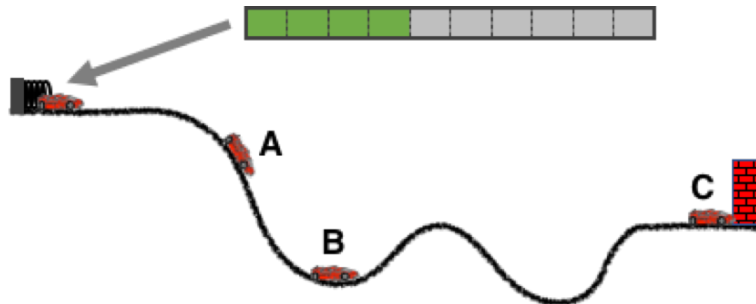
A disk glides along a rough surface until it finally slows to a stop (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question Group 15

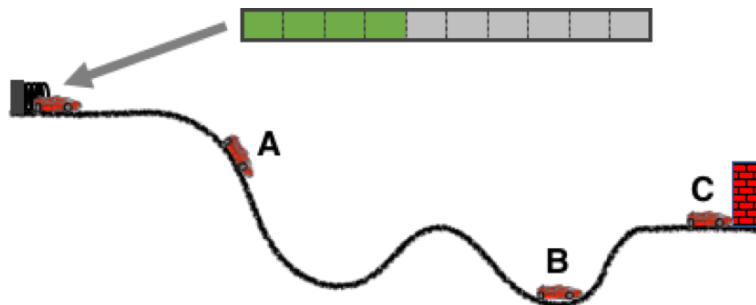
Question 43

A toy car is propelled from a spring-loaded launcher and slides along a track until it collides with a barrier and is brought to a stop (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



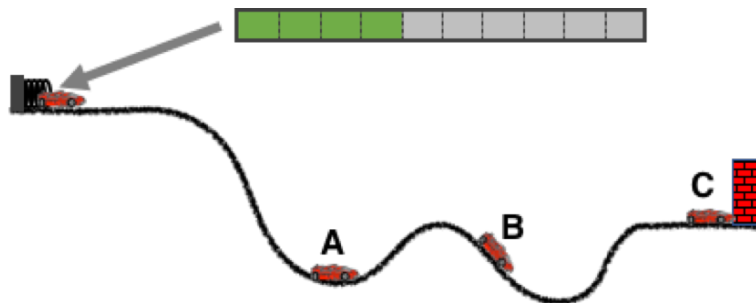
Question 44

A toy car is propelled from a spring-loaded launcher and slides along a track until it collides with a barrier and is brought to a stop (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 45

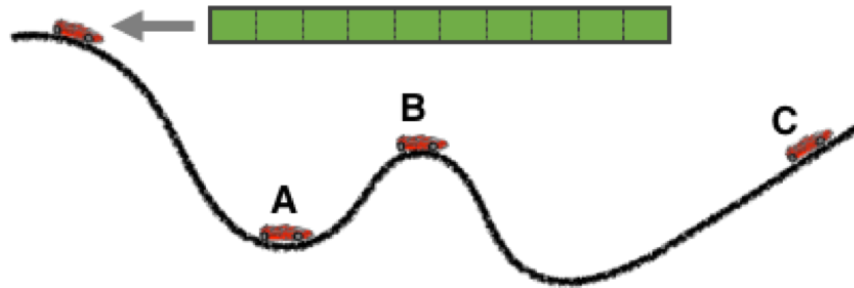
A toy car is propelled from a spring-loaded launcher and slides along a track until it collides with a barrier and is brought to a stop (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question Group 16

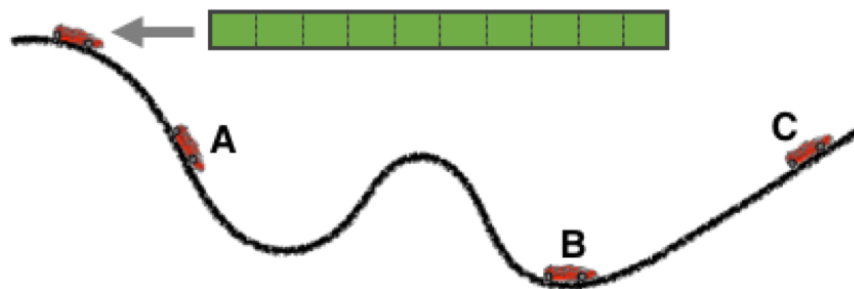
Question 46

A toy car rolls along a track and up a hill to its highest point (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 47

A toy car rolls along a track and up a hill to its highest point (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.



Question 48

A toy car rolls along a track and up a hill to its highest point (C). Use the given Energy Bar Chart to identify the appropriate Bar Charts for locations A, B, and C.

