



Mechanical Energy
15 Questions

NAME : _____

CLASS : _____

DATE : _____

1. What is stored energy due to position above the ground?

kinetic energy

potential energy

thermal energy

nuclear energy

2. What is energy due to motion?

kinetic energy

potential energy

thermal energy

nuclear energy

3. What is the sum of kinetic energy and potential energy of a system?

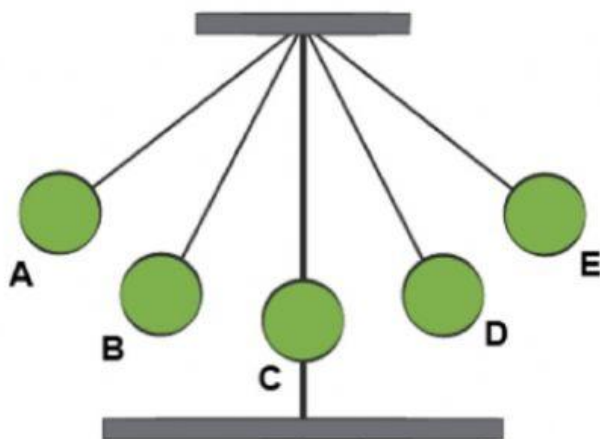
mechanical energy

electrical energy

moving energy

nuclear energy

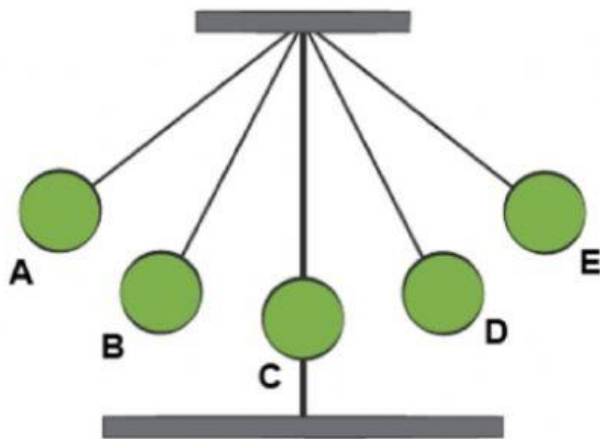
4. At A.



Where does the pendulum have the greatest kinetic energy?

- | | |
|---|---|
| A | B |
| C | D |
| E | |

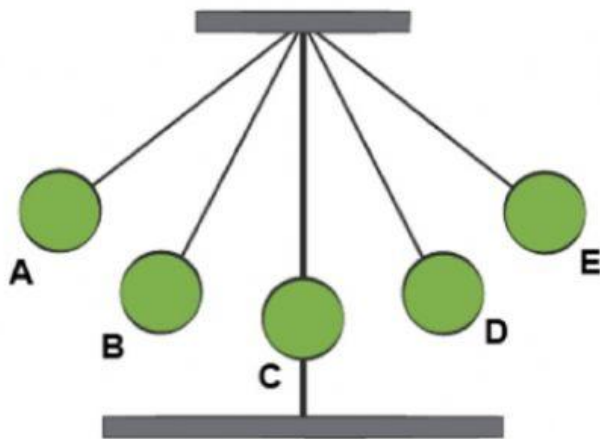
5. At A.



Where does the pendulum have the least amount of potential energy?

- | | |
|---|---|
| A | B |
| C | D |
| E | |

6. At A.



Where does the pendulum have the greatest potential energy? (pick 2)

A

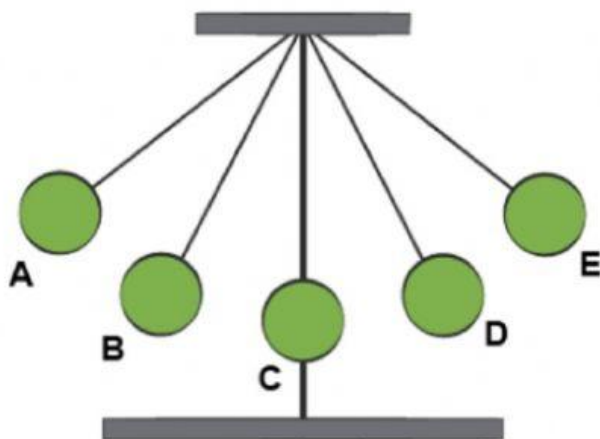
B

C

D

E

7. At A.



Where does the pendulum stop moving for just a split second so that it's kinetic energy is zero? (pick 2)

A

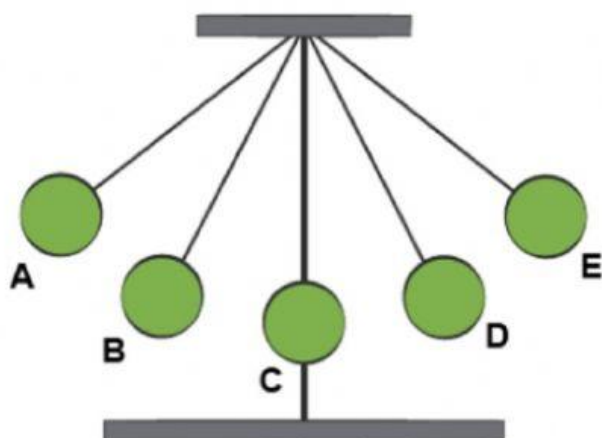
B

C

D

E

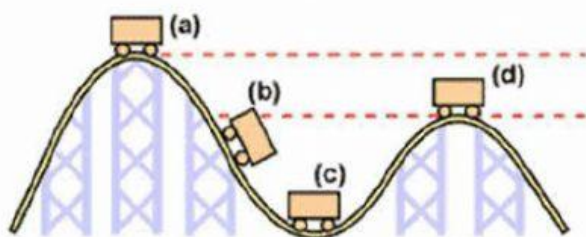
8. At A.



Where does the pendulum have the same amount of kinetic energy and potential energy?
(pick 2)

- | | |
|---|---|
| A | B |
| C | D |
| E | |

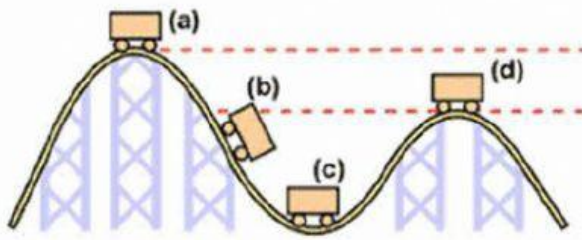
9.



Where is potential energy at its maximum?

- | | |
|---|---|
| a | b |
| c | d |

10.



Where is kinetic energy at its maximum?

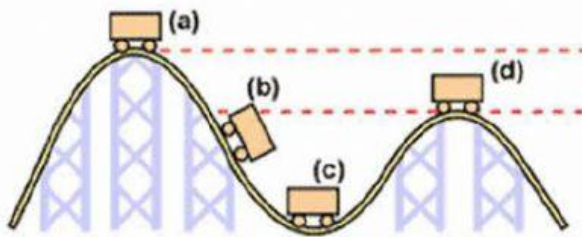
a

b

c

d

11.



Where is potential energy changing to kinetic energy?

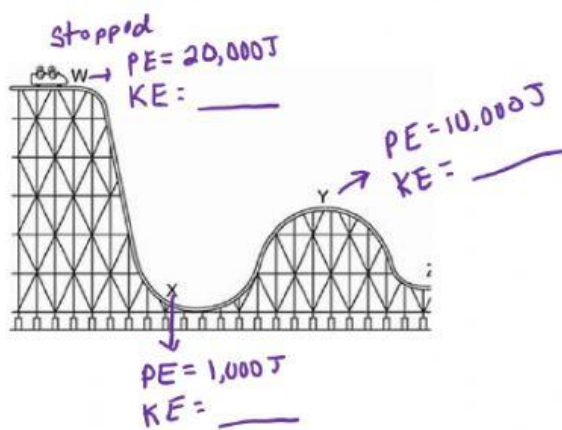
a

b

c

d

12.



What is the kinetic energy at W, where the car is stopped?

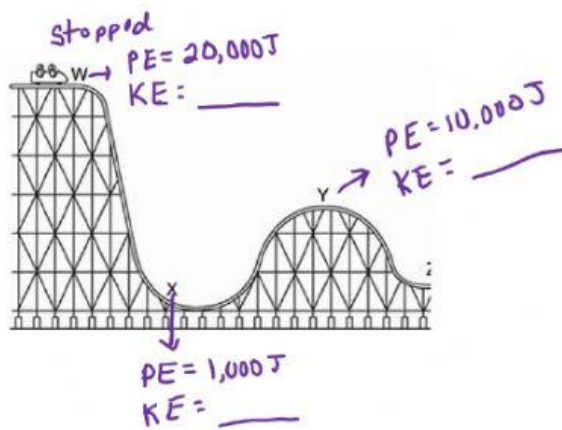
0J

10,000J

20,000J

can not be determined

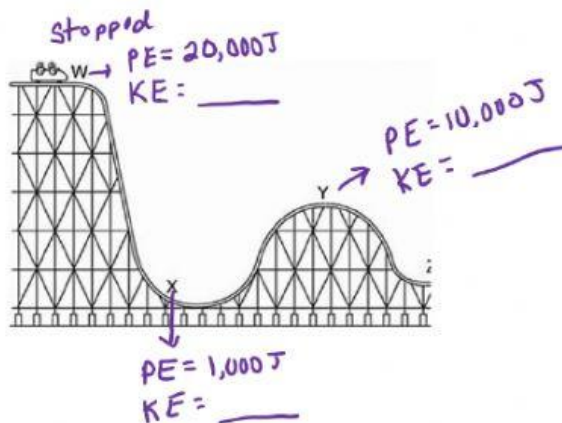
13.



What is the mechanical energy of the system? (ignore friction)

- | | |
|---------|-----------------------|
| 0J | 10,000J |
| 20,000J | can not be determined |

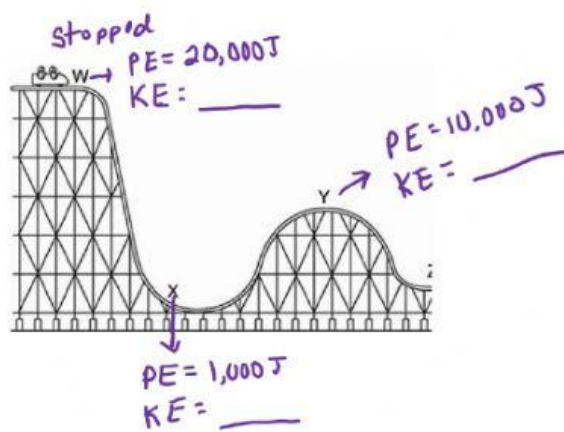
14.



What is the kinetic energy at position X? (ignore friction)

- | | |
|---------|-----------------------|
| 0] | 1,000] |
| 19,000] | can not be determined |

15.



What is the kinetic energy at position Y? (ignore friction)

0J

10,000J

20,000J

can not be determined