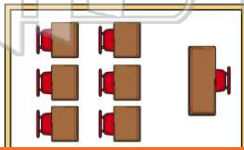




Name _____ Class _____ Date _____

- 1 Which **action** would **require no work** to be done on an object?
- A lifting the object from the floor to the ceiling
 - B pushing the object along a horizontal floor against a frictional force
 - C decreasing the speed of the object until it comes to rest
 - D holding the object stationary above the ground

- 3 The **length of a high school physics classroom** is probably closest to
- A 10^{-2} m
 - B 10^{-1} m
 - C 10^1 m
 - D 10^4 m



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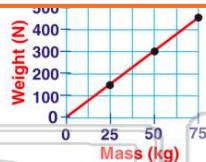


PREVIEW

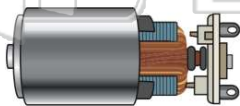
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- A 0.17 m/s^2
- B 6.0 m/s^2
- C 9.8 m/s^2
- D 50 m/s^2



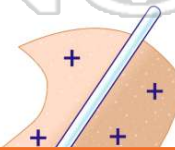
- 9 A **high resistance** is connected in series with the **internal coil of a galvanometer** to **make**
- A a motor
 - B an ammeter
 - C a voltmeter
 - D a generator



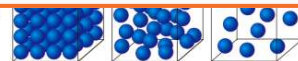
- 2 Which optical device shown below should be placed in the box to **cause parallel light rays to diverge**?



- 4 When a plastic rod is rubbed with wool, the **wool acquires a positive charge** because
- A electrons are transferred from the wool to the rod
 - B protons are transferred from the wool to the rod
 - C electrons are transferred from the rod to the wool



- 10 A student uses a **voltmeter** to measure the potential difference across a circuit resistor. **To obtain a correct reading, the student must connect the voltmeter**
- A in parallel with the circuit resistor
 - B in series with the circuit resistor
 - C before connecting the other circuit components
 - D after connecting the other circuit components





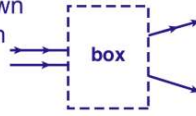
ANSWER KEY

Which **action** would **require no work** to be done on an object?

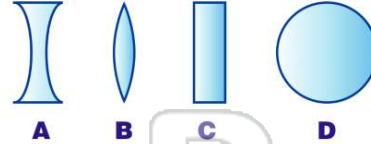
- A lifting the object from the floor to the ceiling
- B pushing the object along a horizontal floor against a frictional force
- C decreasing the speed of the object until it comes to rest
- D holding the object stationary above the ground

(d)

Which optical device shown below should be placed in the box to **cause parallel light rays to diverge**?

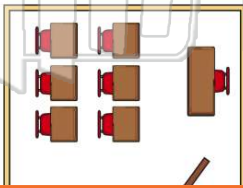


(a)



The **length** of a high school physics classroom is probably closest to

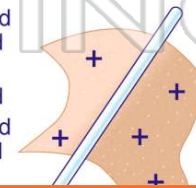
- A 10^{-2} m
- B 10^{-1} m
- C 10^1 m
- D 10^4 m



(c)

When a plastic rod is rubbed with wool, the **wool acquires a positive charge** because

- A electrons are transferred from the wool to the rod
- B protons are transferred from the wool to the rod
- C electrons are transferred from the rod to the wool
- D protons are transferred



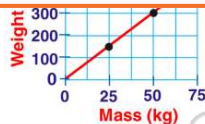
(a)



PREVIEW

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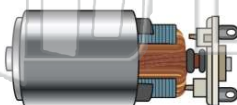
- A 6.0 m/s^2
- B 9.8 m/s^2
- C 50 m/s^2
- D 50 m/s^2



- D liquid to gas

A **high resistance** is connected in series with the **internal coil** of a **galvanometer** to make

- A a motor
- B an ammeter
- C a voltmeter
- D a generator



(c)

A student uses a **voltmeter** to measure the potential difference across a circuit resistor. **To obtain a correct reading, the student must connect the voltmeter**

- A in parallel with the circuit resistor
- B in series with the circuit resistor
- C before connecting the other circuit components
- D after connecting the other circuit components

(a)