



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

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

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

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



PREVIEW

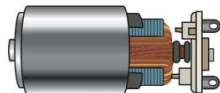
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- 7 The **acceleration due to gravity** on planet X is approximately
- A 0.17 m/s^2
 - B 6.0 m/s^2
 - C 9.8 m/s^2
 - D 50 m/s^2
-

- A solid to gas
 - B solid to liquid
 - C gas to liquid
 - D liquid to gas
-

- 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



- 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



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