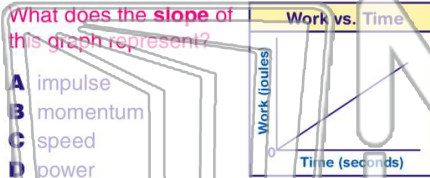




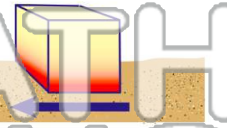
Name _____ Class _____ Date _____

1 The graph below represents the relationship between the **work** done by a student running up a flight of stairs and the **time** of ascent.



2 The **work done** in moving a block across a rough surface and the **heat energy gained** by the block can both be **measured** in

- A watts
- B degrees
- C newtons
- D joules



3 Two weightlifters, one 1.5 meters tall and one 2.0 meters tall, raise identical **50-kilogram** masses above their heads. Compared to the work done by the weightlifter who is **1.5**

4 The **energy of a photon** is **inversely proportional** to its

- A wavelength



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- A cdt
- B cts
- C cdb
- D cdu

- A frequency
- B wavelength
- C period
- D amplitude



9 Which **form(s) of energy** can be **transmitted** through a **vacuum**?

- A light, only
- B sound, only
- C both light and sound
- D neither light nor sound

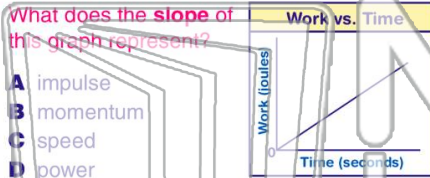
10 Which quantity is equivalent to the **product** of the **absolute index of refraction of water** and the **speed of light in water**?

- A wavelength of light in a vacuum
- B frequency of light in water
- C sine of the angle of incidence
- D speed of light in a vacuum



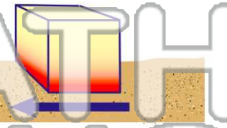
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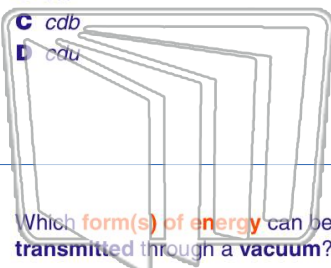


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