

5. A job is done slowly, and an identical job is done quickly. Both jobs require the same amount of work but different amounts of _____.

- a. energy
- b. power
- c. both power and energy
- d. none of these

6. The unit of power is _____.

- a. Newton
- b. Joule:
- c. Watt
- d. Meter

7. The work done against gravity in moving a box with a mass of 5.0 kilograms through a height of 3 meters is _____.

- a. 147 joules
- b. 147 newtons
- c. 15 joules
- d. 15 newtons

8. Potential energy is the energy possessed by an object due to _____.

- a. its momentum.
- b. its position
- c. its velocity
- d. its acceleration

9. How much power is expended in lifting a 100-N rock 10 meters in 2 seconds?

- a. 1000 W