

1. What are the SI units for energy?

- A) joules B) kilograms C) newtons D) watts E) donuts**
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2. An ice skater is spinning around with her arms tucked to her sides. If she extends her arms, her angular velocity will ____ because her angular momentum is conserved.

- A) increase B) stay the same C) decrease**
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3. Which of these does not describe *work*, in the physics sense of the word?

- A) a man balances a book, motionless, on one finger**
B) friction slows down a sled
C) Supergirl stops a train
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4. A parachute does ____ work on a falling skydiver.

- A) positive B) zero C) negative**
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5. Which requires more power?

- A) lifting a 10kg rock from the floor to the ceiling**
B) lifting a 10kg rock from the floor and placing it on a table
C) it cannot be determined
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6. When a ball is thrown and rises into the air, its gravitational potential energy

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