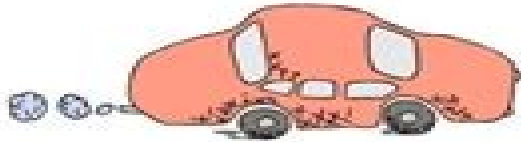


Kinetic and Potential Energy Practice Problems

Solve the following problems and show your work!



1. A car has a mass of 2,000 kg and is traveling at 28 meters per second. What is the car's kinetic energy?

2. When a golf ball is hit, it travels at 41 meters per second. The mass of a golf ball is 0.045 kg. What is the kinetic energy of the golf ball?



3. The newly developed F-22 Raptor Jet Fighter (something that Mr. DelliGatti worked on in a previous life) weighs approximately 100,000 kg and can travel up to 600 meters per second. What is the kinetic energy of the F-22 jet fighter at this speed?



4. If the jet fighter in #3 is traveling at a height of 10,000 meters, what would the potential energy be?
5. A bullet from a policeman's handgun travels at 200 meters per second and has a mass of 0.02 kg. What is the bullet's kinetic energy?

Answer Potential Kinetic Energy Practice Problems

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highly erudite studies calling out for organization nor did it stem from a belief that the field had become so fully articulated that such a book was necessary to provide summation and reference. Instead, this handbook was conceptualized as an attempt to provide structure and organization for a field of study that from our perspective had come to be a large scale example of a degenerating research program. See Brown Chapter 1. The handbook grew out of a series of discussions that spanned several years. At the heart of most of our interactions was a profound unhappiness with the state of research on creativity. Our consensus was that the number of good works published on creativity each year was small and growing smaller. Further, we could not point to a journal, text, or professional organization that was providing leadership for the field in shaping a scientifically sound framework for the development of research programs in creativity. At the same time, we were casting about for a means of honoring a dear friend, E. Paul Torrance. Our decision was that we might best be able to honor Paul and influence research on creativity by developing a handbook designed to challenge traditional perspectives while offering research agendas based on contemporary psychological views.

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