

# Kinetic Energy Practice

## Physics and Mathematics of Sustainable Energy

College of the Atlantic. September 13, 2022

1. An 80 kg football player runs at 5 m/s. What is his kinetic energy?
2. A 120 pound hockey player skates at 8 m/s. What is her kinetic energy?
3. An 8000 pound bus travels at 40 mi/hr. What is the kinetic energy of the bus?  
Answer in Joules and MegaJoules.
4. A 145 g baseball is thrown at 100 mi/hr. What is the baseball's kinetic energy?