

1. What is the unit of force in the SI system?  $9.8 \text{ m/s}^2$
2. What is the speed of light in a vacuum?  $W=F*\Delta x$
3. For every action, there is an equal and opposite reaction  $F=ma$
4. What is the unit of energy in the SI system? Newton (N)
5. What do we call the energy an object has due to its motion? Newton's Third Law of Motion
6. What is the acceleration due to gravity on Earth?  $300,000,000 \text{ m/s}$
7. What is the formula for calculating work done? Inertia
8. The name of the force that pulls objects towards the center of the Earth? Kinetic energy
9. What is the term for the resistance of an object to a change in its state of motion? Joule (J)
10. What is the formula for calculating the force acting on an object? Gravitational force