1. **What is the unit of force in the SI system?** 9.8 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 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

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