

CONCEPT REVIEW  
**11**

# Kinetic energy, potential energy and mechanical energy

EST

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Complete this concept review handout and keep it as a record of what you have learned.

## EST Definitions

- Kinetic energy is \_\_\_\_\_  
\_\_\_\_\_
- Gravitational potential energy is \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## EST Mathematical formulas and units of measurement

Formula for calculating the kinetic energy of an object:

where \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Formula for calculating the gravitational potential energy of an object:

where \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Formula for calculating the mechanical energy of an object:

where \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_