

# Total Orbital Energy

Module: Advanced Mechanics

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## Overview

$$E = -GMm/2r$$

## Core Ideas

- Define the concept in your own words.
- Identify the key variables and relationships.
- Connect the concept to the module inquiry question.

## Key Formulas

- Orbital Energy:

$$E = -\frac{GMm}{2r}$$

## Exam Focus

- Expect both multiple choice and short answer questions.
- Show working and use correct units.

## **Related Concepts**

- Review the linked module section for context and extensions.