

**WORKED EXAMPLES PACK**

# Ideal Gas Law Worked Examples Pack

A more useful worked-examples pack for the ideal gas law, with Kelvin reminders and model-limit notes.

## QUICK OVERVIEW

**Category: physics**

Includes 1 related guide page.

Links back to 1 calculator tool.

## FORMULA HIGHLIGHTS

Ideal gas law

$$PV = nRT$$

## MODEL REMINDERS

- Use Kelvin temperature.
- Keep pressure, volume, amount, and the gas constant in compatible units.
- Treat the law as a model, not a universal truth about every gas.

## WORKED EXAMPLES

Rising temperature at fixed volume implies rising pressure in the ideal model.

Rising temperature at fixed pressure implies rising volume in the ideal model.

## COMMON MISTAKES

- Using Celsius directly.
- Mixing gas-constant units.
- Overstating the precision of the result when the model is only approximate.

## BEST OFFLINE USE

Keep this pack for revision sessions or quick problem setup checks when you want the assumptions and unit discipline visible in one place.