

A Level Physics Report Statements

Statement-Skills	Links
Use subject-specific vocabulary accurately	https://www.aqa.org.uk/resources/science/as-and-a-level/teach/subject-specific-vocabulary
Review how to construct results tables and plot data, including logarithms	https://www.youtube.com/watch?v=Sc4WOn0hKuE&list=PLIDtVvefFYT-LUGAGJl1aL-mwE4ngGhN7M&index=9 https://www.youtube.com/watch?v=DuYgVVU_BwY
Prepare for exam questions on practical experiments	https://www.youtube.com/watch?v=6x9EXl6klhk https://www.alevelphysicsonline.com/documents
Answer the command word in the question	https://www.aqa.org.uk/resources/science/as-and-a-level/physics-7407-7408/teach/command-words
Practice problem solving questions using Isaac Physics	https://isaacphysics.org/support/student/general
Practice and self-assess AS past papers to consolidate Year 12 learning	Review legacy papers
Statement-Knowledge	Links
Must be more familiar with the theoretical and practical aspects of ideal gases	https://www.s-cool.co.uk/a-level/physics/kinetic-theory/test-it/exam-style-questions
Must be able to derive and apply molecular kinetic theory equations	https://www.cyberphysics.co.uk/Q&A/KS5/KineticTheory/questions.html
Must be able to apply the inverse square law of gravitation, and to estimate the gravitational force between a variety of objects	http://tap.iop.org/fields/gravity/401/page_46813.html
Must be able to define and differentiate between gravitational field strength and gravitational potential	http://tap.iop.org/fields/gravity/404/page_46842.html

Must be able to derive and apply the relationship between orbital period and speed in both familiar and unfamiliar situations, such as geostationary satellites	https://isaacphysics.org/questions/geostationary_orbit
Improve understanding of escape velocity from a planet or star	http://www.a-levelphysicstutor.com/field-gravit-2.php
Extend knowledge by researching event horizon and schwarzschild radius in relation to a black hole	https://youtu.be/9WbrujNXSw8