AO2 Revision: Application & Understanding Command Words, Example Questions & Tips

Command Word	Description	
Calculate / Determine	Work out the value of something using numbers given in the question	
Compare	Identify similarities and/or differences between different things.	
Explain	Set out purposes or reasons	
Give	Produce an answer from recall	
How/What/When/ Where/Which/Why	Used for direct questions	
Identify	Name or otherwise characterise	
Complete/Illustrate/D raw	Demonstrate understanding of the issues or concepts through the use of relevant examples or diagrams	
Suggest	Present a possible case/solution/explanation to a new situation	

Q: At a frequency of 30 Hz the waves was 0.013 m. Calcula speed. Wave speed = frequency × (2 marks)	te the wave

Sentence Starters:
This is because...
As a result of...
Therefore...
One reason for this is...
The effect of...is...

This happens due to... The change in...shows that...

An example of this is... If ..., then ... will happen.

Q: A scientist cooled the air inside a sealed container. Explain how the motion of the air molecules caused pressure in the sealed container to change as pressure decreased. (4 marks)				

Q: A force of 400 N acts on a spring. The force causes
the spring to extend by 0.80 m. Calculate the spring
constant of the spring. (3 marks)

Q: The kettle is switched on for 120 seconds. Th	e power
of the toaster is 1200 watts. Calculate the e	nergy
transferred by the kettle.	5)

Energy transferred = power \times time (2 m	rks)
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Quick Tips

- Show working clearly in calculations.
- Use diagrams where helpful.
- Apply known ideas to new scenarios.
- Practice interpreting practical instructions.
- Underline <u>key variables</u> reading a question
- Learn to estimate/check if your answer makes sense..