

## A-level Science Homework

Welcome to A-level Science!

In your summer task, you will be reading a pre-release paper about Heart Attacks. The purpose of this is to; introduce you to scientific reading at an A-level standard, practice your comprehension skills, and to assess your baseline knowledge.

Task:

You will need to read the attached pre-release material, and do further research and reading around topic of 'Heart Attacks'. You can use the key questions listed below and the web links to help you.

You will sit an exam based on this paper when you return in September.

### Key Questions

1. What are the signs and symptoms of a Heart Attack?
2. How are heart attacks diagnosed?
3. What is the prevalence of heart attacks in the male population?
4. What is the prevalence of heart attacks in the female population?
5. What is a scientific variable?
6. How are heart attacks treated?
7. Who are the MRC?
8. What is a clinical trial?

### Further reading

1. British Heart Foundation: Heart Attacks  
<https://www.bhf.org.uk/heart-health/conditions/heart-attack>
2. WEB MD: Guide to Heart Attacks and Diagnosis  
<https://www.webmd.com/heart-disease/guide/heart-disease-heart-attacks#1>
3. Medical News Today: NSTEMI  
<https://www.medicalnewstoday.com/articles/321059.php>
4. British Heart Foundation: Statistics  
<https://www.bhf.org.uk/research/heart-statistics>
5. MRC: About  
<https://mrc.ukri.org/about/>
6. Clinical Trials  
<https://www.nih.gov/health-information/nih-clinical-research-trials-you/basics>