



## Atomic Structure - quick fire questions

This video is fully supported by a video tutorial: <https://youtu.be/bRzRjfvoU-E>

1. How big is an atom?
2. What is the mass of a proton?
3. What is the mass of a neutron?
4. What is the mass of an electron?
5. What is the charge on a proton?
6. What is the charge on an electron?
7. What is the charge on a neutron?
8. Where are protons found?
9. Where are neutrons found?
10. Where are electrons found?
11. What happens to electrons when they absorbed or emit radiation?
12. What is the atomic number?
13. What is the mass number?
14. How do you find the number of protons an atom has?
15. How do you find the number of electrons an atom has?
16. How do you find the number of neutrons an atom has?
17. Why do atoms have no overall charge?
18. How do ions get charged?
19. What is an isotope?
20. What was the plum-pudding model?
21. What did Rutherford do?
22. What did Bohr do?
23. What did Chadwick do?
24. What is radioactive decay?
25. What are the units for radioactivity?
26. What are the three different types of radiation?
27. What is half-life?

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28. What the sources of background radiation?
29. What is nuclear fusion?
30. What is nuclear fission?