

| C1 – Atomic structure | Answer |
|--|---|
| 1. What is at the centre of an atom? | A nucleus |
| 2. Name the particles inside the nucleus. | Proton = plus charge Neutron = no charge |
| 3. Name the particle that moves around the nucleus in shells | Electron |
| 4. What is the charge on an electron? | Negative (-1) |
| 5. What is the charge on the proton? | Positive (+1) |
| 6. Which two sub atomic particles have a relative mass of 1? | Proton and neutron |
| 7. Why are atoms said to be neutral? | They have the same number of protons and electrons |
| 8. What was the original idea about atoms and who came up with it? | Ancient greeks. They said that matter as made of 'uncuttable' particles. |
| 9. What was discovered in 1904 that meant the atom model had to be updated? | electron |
| 10. What was the plum pudding model? | The model that said that electrons were scattered in an area of positive charge. |
| 11. What did Rutherford suggest was in an atom? | A central nucleus, with electrons orbiting. |
| 12. What did Niels Bohr suggest? | Electrons were travelling in shells/energy levels. |
| 13. Which was the last sub atomic particle to be discovered? | Neutron |

| Questions – chemistry part 1 atoms | Answer |
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