

Cambridge Advanced Subsidiary Level Notes  
9701 Chemistry

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# *Physical Chemistry*

## **1 Atomic structure**

### **1.1 Particles in the atom and atomic radius**

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*Understand that atoms are mostly empty space surrounding a very small, dense nucleus that contains protons and neutrons; electrons are found in shells in the empty space around the nucleus*

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## **2 Atoms, molecules and stoichiometry**

## **3 Chemical bonding**

## **4 States of matter**

## **5 Chemical energetics**

## **6 Electrochemistry**

## **7 Equilibria**

## **8 Reaction Kinetics**