

Bohr Model Exercise - First Twenty Elements

H							He
Li	Be	B	C	N	O	F	Ne
Na	Mg	Al	Si	P	S	Cl	Ar
K	Ca						

Detailed description: This diagram shows Bohr-style atomic models for the first twenty elements. Each model consists of a central nucleus (shaded grey) and electron orbits represented by concentric circles. The number of protons in the nucleus is indicated by a value in blue text. The number of electrons is indicated by the number of small blue dots on each orbit. The elements are arranged in four rows: Row 1 contains H and He; Row 2 contains Li through Ne; Row 3 contains Na through Ar; and Row 4 contains K and Ca. A vertical black bar separates the second and third columns.

- H: 1+ electron, 1+ proton
- He: 2+ electrons, 2+ protons
- Li: 3+ electrons, 3+ protons
- Be: 4+ electrons, 4+ protons
- B: 5+ electrons, 5+ protons
- C: 6+ electrons, 6+ protons
- N: 7+ electrons, 7+ protons
- O: 8+ electrons, 8+ protons
- F: 9+ electrons, 9+ protons
- Ne: 10+ electrons, 10+ protons
- Na: 11+ electrons, 11+ protons
- Mg: 12+ electrons, 12+ protons
- Al: 13+ electrons, 13+ protons
- Si: 14+ electrons, 14+ protons
- P: 15+ electrons, 15+ protons
- S: 16+ electrons, 16+ protons
- Cl: 17+ electrons, 17+ protons
- Ar: 18+ electrons, 18+ protons
- K: 19+ electrons, 19+ protons
- Ca: 20+ electrons, 20+ protons