

▼ **Bảng 7.1. Cấu hình electron lớp ngoài cùng của nguyên tử các nguyên tố nhóm A**

| Nhóm<br>Chu kì | IA           | IIA          | IIIA              | IVA               | VA                | VIA               | VIIA              | VIIIA             |
|----------------|--------------|--------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1              | H<br>$1s^1$  |              |                   |                   |                   |                   |                   | He<br>$1s^2$      |
| 2              | Li<br>$2s^1$ | Be<br>$2s^2$ | B<br>$2s^2 2p^1$  | C<br>$2s^2 2p^2$  | N<br>$2s^2 2p^3$  | O<br>$2s^2 2p^4$  | F<br>$2s^2 2p^5$  | Ne<br>$2s^2 2p^6$ |
| 3              | Na<br>$3s^1$ | Mg<br>$3s^2$ | Al<br>$3s^2 3p^1$ | Si<br>$3s^2 3p^2$ | P<br>$3s^2 3p^3$  | S<br>$3s^2 3p^4$  | Cl<br>$3s^2 3p^5$ | Ar<br>$3s^2 3p^6$ |
| 4              | K<br>$4s^1$  | Ca<br>$4s^2$ | Ga<br>$4s^2 4p^1$ | Ge<br>$4s^2 4p^2$ | As<br>$4s^2 4p^3$ | Se<br>$4s^2 4p^4$ | Br<br>$4s^2 4p^5$ | Kr<br>$4s^2 4p^6$ |
| 5              | Rb<br>$5s^1$ | Sr<br>$5s^2$ | In<br>$5s^2 5p^1$ | Sn<br>$5s^2 5p^2$ | Sb<br>$5s^2 5p^3$ | Te<br>$5s^2 5p^4$ | I<br>$5s^2 5p^5$  | Xe<br>$5s^2 5p^6$ |
| 6              | Cs<br>$6s^1$ | Ba<br>$6s^2$ | Tl<br>$6s^2 6p^1$ | Pb<br>$6s^2 6p^2$ | Bi<br>$6s^2 6p^3$ | Po<br>$6s^2 6p^4$ | At<br>$6s^2 6p^5$ | Rn<br>$6s^2 6p^6$ |