

## How many valence electrons are in chlorine(Cl) atom?

A. Chlorine has 1 valence electrons

B. Chlorine has 2 valence electrons

**C. Chlorine has 7 valence electrons**

D. Chlorine has 6 valence electrons

---

### **Explanation:**

There are 7 valence electrons in the atom of chlorine(Cl)

### **Valence electrons**

Valence electrons are the number of electrons present in the outermost shell of an atom.

The last shell of a chlorine atom has 7 electrons in it. Therefore, there are 7 valence electrons in a chlorine atom.

847