


1 What is the number of valence electrons in iodine?



A periodic table of elements with the element Iodine (I) highlighted in yellow. Iodine is located in the 5th period and 17th group.

- A 2
- B 6
- C 7
- D none of the above

2 What is the number of valence electrons in barium?



A periodic table of elements with the element Barium (Ba) highlighted in yellow. Barium is located in the 6th period and 2nd group.

- A 2
- B 6
- C 7
- D none of the above

3 What is the number of valence electrons in germanium?



A periodic table of elements with the element Germanium (Ge) highlighted in yellow. Germanium is located in the 4th period and 14th group.

- A 2
- B 4
- C 6
- D none of the above

4 How many core electrons are there in barium?

A periodic table of elements with barium (Ba) highlighted in yellow. Barium is located in the 6th period and the 2nd column of the s-block.

- A 10
- B 18
- C 36
- D 54

5 How many core electrons are there in germanium?

A periodic table of elements with germanium (Ge) highlighted in yellow. Germanium is located in the 4th period and the 14th column.

- A 2
- B 10
- C 18
- D 28

6 How many electron shells surround the nucleus of a chlorine atom?

A periodic table of elements with chlorine (Cl) highlighted in yellow. Chlorine is located in the 3rd period and the 17th column.

- A 1
- B 2
- C 3
- D 4

- 7 Predict the relative sizes of
Bromine, Chlorine and Iodine

- A $Br > Cl > I$
B $Cl > Br > I$
C $I > Br > Cl$
D none of the above
- 8 Predict the relative sizes of
Iodine, Antimony (Sb), and Tellurium (Te)

- A $Te > Sb > I$
B $Sb > Te > I$
C $I > Te > Sb$
D none of the above