



Number of unpaired electrons

Name _____ Date _____

In the following test please indicate the number of unpaired electrons at upper level based on Periodic table.

- | | | |
|------------------------------------|------------------------------------|------------------------------------|
| (1) Sr : __
Ne : __
I : __ | (2) Ni : __
Sr : __
Sc : __ | (3) Br : __
Si : __
Sn : __ |
| (4) Ca : __
He : __
Ba : __ | (5) K : __
H : __
Si : __ | (6) Ti : __
Sr : __
Ti : __ |
| (7) O : __
Ne : __
As : __ | (8) Rb : __
Br : __
P : __ | (9) Ti : __
As : __
Cr : __ |
| (10) Se : __
P : __
Rb : __ | (11) C : __
Fe : __
Sc : __ | (12) Cl : __
Ca : __
Cl : __ |
| (13) Na : __
As : __
Sr : __ | (14) Li : __
Ba : __
Li : __ | (15) O : __
F : __
Mn : __ |



Answers

In the following test please indicate the number of unpaired electrons at upper level based on Periodic table.

- (1) Sr: 0; Ne: 0; I: 1
- (2) Ni: 0; Sr: 0; Sc: 0
- (3) Br: 1; Si: 2; Sn: 2
- (4) Ca: 0; He: 0; Ba: 0
- (5) K: 1; H: 1; Si: 2
- (6) Ti: 0; Sr: 0; Ti: 0
- (7) O: 2; Ne: 0; As: 3
- (8) Rb: 1; Br: 1; P: 3
- (9) Ti: 0; As: 3; Cr: 1
- (10) Se: 2; P: 3; Rb: 1
- (11) C: 2; Fe: 0; Sc: 0
- (12) Cl: 1; Ca: 0; Cl: 1
- (13) Na: 1; As: 3; Sr: 0
- (14) Li: 1; Ba: 0; Li: 1
- (15) O: 2; F: 1; Mn: 0