

QUIZIZZ

Electron Configuration

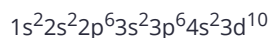
12 Questions

NAME : _____

CLASS : _____

DATE : _____

1. What atom matches this electron configuration?



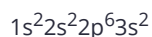
a) Zinc

b) Copper

c) Nickel

d) Germanium

2. What atom matches this electron configuration?



a) Neon

b) Magnesium

c) Aluminum

d) Potassium

3. What electron configuration matches an oxygen atom?

a) $1s^2 2s^2 2p^6 3s^2, 3p^6 4s^2 3d^{10} 4p^5$

b) $1s^2 2s^2 2p^4$

c) $1s^2 2s^2 2p^6$

d) $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^1$

4.



How many electrons does Si contain? (click to see image)

a) 14

b) 28

c) 2

d) 4

Help

5. How many electrons can the first energy level hold?

a) 1

b) 2

c) 8

d) 0

6. The electron configuration of an atom is $1s^2 2s^2 2p^6$. The number of electrons in the atom is

a) 3

b) 6

c) 8

d) 10

7. What do you start electron configuration with?

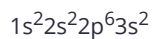
a) $1s^2$

b) $1d^{10}$

c) $1f^{14}$

d) $1p^6$

8. What is this element?



a) Neon

b) Magnesium

c) Aluminum

d) Potassium

9. Which electron configuration belongs to Chlorine (Cl)?

a) $1s^2 2s^2 2p^6 3s^2 3p^5$

b) $1s^2 2s^2 2p^6 3s^2 3p^6$

c) $1s^2 2s^2 2p^6 3s^2 3p^7$

10. There are 4 different types of subshells s,p,d,f

a) true

b) false

11. Which electron configuration belongs to Copper (Cu)?

a) $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^8$

b) $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^9$

c) $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10}$

12. Identify the Electron Configuration for Aluminum (Al)

a) $1s^2 2s^2 2p^6 3s^2 3p^1$

b) $1s^2 2s^2 2p^6 3s^2 3p^3$

c) $1s^2 2s^2 2p^6 3s^2 4p^1$

Answer Key

1. a
2. b
3. b

4. a
5. b
6. d

7. a
8. b
9. a

10. a
11. b
12. a