### Across

1. Type of compound where electrons are gained or lost.[5]  
2. Symbol of sodium.[2]  
3. Pure substance with different types of atoms.[8]  
4. _____ Table of Elements.[8]  
5. Particle with no charge in nucleus of atom.[7]  
6. Symbol of magnesium.[2]  
7. A radioactive metal.[7]  
8. Negatively charged particle of an atom.[8]  
9. Symbol of zinc.[2]  
10. Type of compound where electrons are shared between bonded atoms.[8]  
11. Maximum number of electrons in first electron level.[3]  
12. Symbol of helium.[2]  
13. Noble or inert gas used in street signs.[4]  
14. Common salt is sodium ____.[8]  
15. Maximum number of electrons in second electron level.[5]  
16. Inert gases are called ____ gases.[5]  
17. Symbol of gold.[2]  
18. Positively charged particle of an atom.[6]  
19. Ti is the symbol for this metal.[8]  
20. Symbol of mercury.[2]  
21. Ion containing atoms of hydrogen, carbon and oxygen.[11]  
22. Number of protons in an atom is its ____ number.[6]  
23. Number of protons and neutrons in an atom is its ____ number.[4]  
24. Symbol of silver.[2]  
25. Pure substance containing one type of atom.[7]  
26. Symbol of chlorine.[2]  
27. Symbol of iron.[2]  

### Down

2. Symbol of sodium.[2]  
3. Pure substance with different types of atoms.[8]  
4. _____ Table of Elements.[8]  
5. Particle with no charge in nucleus of atom.[7]  
6. Symbol of magnesium.[2]  
7. A radioactive metal.[7]  
10. Type of compound where electrons are shared between bonded atoms.[8]  
11. Maximum number of electrons in first electron level.[3]  
12. Symbol of helium.[2]  
13. Noble or inert gas used in street signs.[4]  
14. Common salt is sodium ____.[8]  
15. Maximum number of electrons in second electron level.[5]  
16. Inert gases are called ____ gases.[5]  
19. Ti is the symbol for this metal.[8]  
22. Symbol of silver.[2]  
23. Number of protons and neutrons in an atom is its ____ number.[4]  
24. Symbol of chlorine.[2]  
26. Symbol of iron.[2]  

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