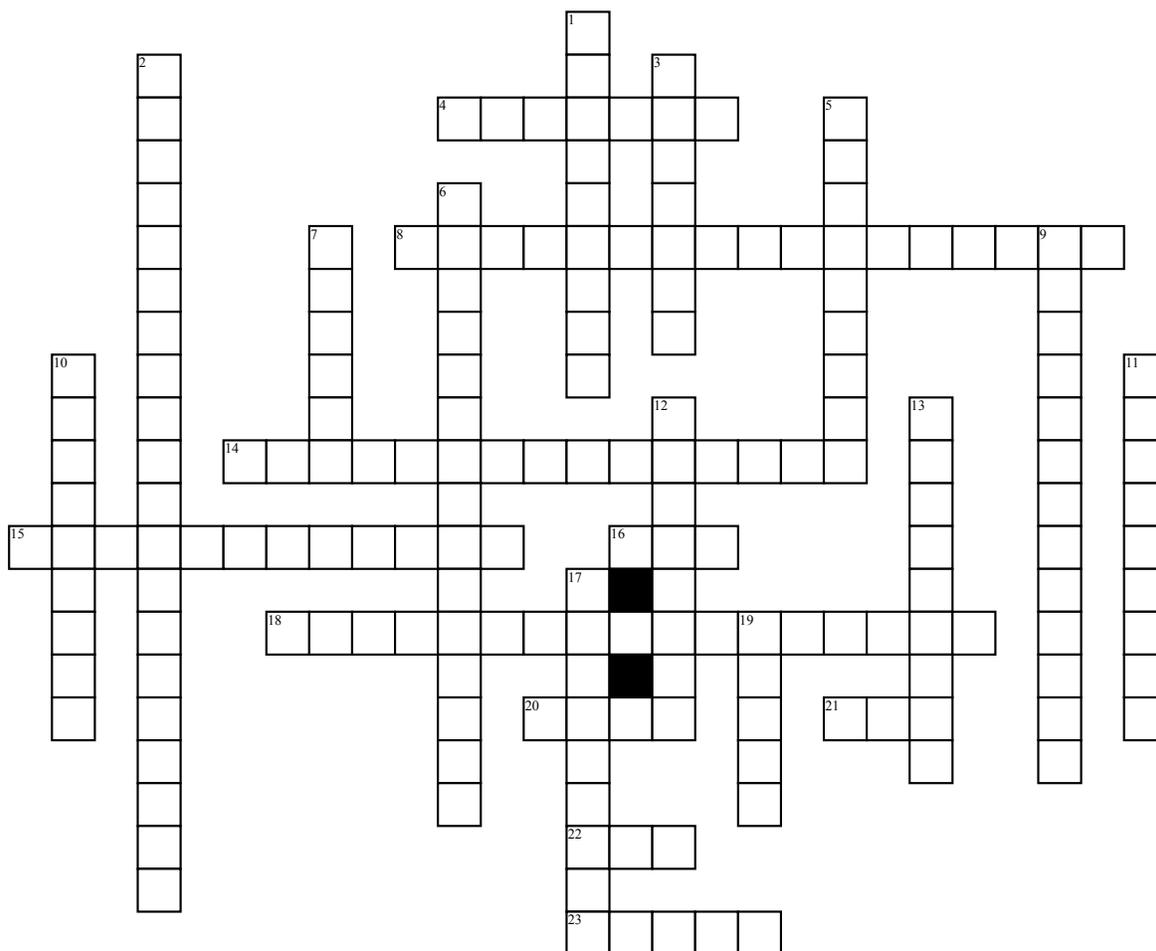


# crossword for bonding



## Across

4. GRAPHITE STRUCTURE

8. Deduce which type of bond present in CO

14. Graphene is rolled up to form

15. The strength of..... bond depends on charge on metal ions, ionic radius and no. of valence electrons

16. Which combination of the characteristics of element X, a metal, and element Y, a non metal, is most likely to lead to ionic bonding?.....ionization energy

18. dipole formed when there is difference in

20. In SiO<sub>2</sub>, each silicon is bonded to.....oxygen atoms

21. In SiO<sub>2</sub>, each OXYGEN is bonded to.....SILICON atoms

22. SOLID crystalline SiO<sub>2</sub> is ..... conductor of electricity

23. Octate rule is outermost electron have..... electrons

## Down

1. Which particles are responsible for electrical conductivity in metals?

2. Which type of bond present in hydrogen gas

3. Structure of Diamond

5. The electrons pairs donot take part in bonding

6. Graphene strcture is

7. bond length of double bond is .....than triple bond

9. goint left to right in periodic table, electronegative increases because of increase in

10. Carbon atoms are arranged in closed shell called as

11. SO<sub>3</sub> and PCI<sub>3</sub> are type of .....

12. Bond strength of double is.....than single bond

13. loss of electron in IONIC bond is

17. both crystalline and amorphous are .....in water

19. in graphite carbon is bonded to other ..... carbon atoms by covalent bond