

Find either the name or the chemical formula. What type of compound is it?

[You might find this periodic table useful.](#) Note: these compounds may not exist in real life!

- 1 NF_5
- 2 C_7S_5
- 3 H_4C
- 4 decacarbon triarsenide
- 5 hydrogen gas
- 6 Si_7Cl_8
- 7 Al_4C_3
- 8 H_{10}Br_3
- 9 Cl_2
- 10 calcium oxide
- 11 Na_3N
- 12 decasulphur heptachloride
- 13 Na_3As
- 14 sodium phosphide
- 15 heptabromine octafluoride
- 16 beryllium selenide
- 17 H_4Si
- 18 sodium silicide
- 19 H_4C
- 20 octoxygen octabromide

Answers

1. nitrogen pentafluoride, covalent 2. heptacarbon pentasulphide, covalent 3. hydrogen carbide, ionic 4. $C_{10}As_3$, covalent 5. H_2 , covalent 6. heptasilicon octachloride, covalent 7. aluminum carbide, ionic 8. decahydrogen tribromide, covalent 9. chlorine gas, covalent 10. CaO , ionic 11. sodium nitride, ionic 12. $S_{10}Cl_7$, covalent 13. sodium arsenide, ionic 14. Na_3P , ionic 15. Br_7F_8 , covalent 16. $BeSe$, ionic 17. hydrogen silicide, ionic 18. Na_4Si , ionic 19. hydrogen carbide, ionic 20. O_8Br_8 , covalent

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