

MOLECULAR GEOMETRY AND POLARITY

Act. # 1 : Complete Me

Compound	Lewis Structure	Electron Groups	Electron Group Geometry	Bonded Atoms	Lone Pairs	Bond Angle	Molecular Geometry
1. HCN	$\text{H}-\text{C}\equiv\text{N:}$	2	Linear	2	0	180°	Linear
2. NCl_3	<pre> :Cl: :Cl-N-Cl: :Cl: </pre>	4	Tetrahedral	3	1	109.5°	Trigonal bipyramidal
3. CH_4	<pre> H H - C - H H </pre>	4	Tetrahedral	4	0	109.5°	Tetrahedral
4. PCl_5	<pre> :Cl: :Cl-P-Cl: / \ :Cl: :Cl: </pre>	5	Trigonal bipyramidal	5	0	120° 90°	Trigonal bipyramidal

Act. # 2 : Identify our bond

	Electronegativity Difference	Type of Bond
1. $\text{H}-\text{H}$ bond in H_2	$2.1-2.1 = 0.0$	Nonpolar covalent bond
2. $\text{Br}-\text{Cl}$ bond in BrCl_3	$3.0-2.8 = 0.2$	Nonpolar covalent bond
3. $\text{H}-\text{Br}$ bond in HBr	$2.8-2.1 = 0.7$	Polar covalent bond
4. $\text{As}-\text{Cl}$ bond in AsCl_3	$3.0-2.0 = 1.0$	Polar covalent bond
5. $\text{P}-\text{Br}$ bond in PBr_3	$2.8-2.1 = 0.7$	Polar covalent bond

Test Molecular Shape Answer Key

Oswaal Editorial Board



Test Molecular Shape Answer Key:

Test Molecular Shape Answer Key: Bestsellers in 2023 The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous engrossing novels enthralling the hearts of readers worldwide. Lets delve into the realm of popular books, exploring the fascinating narratives that have enthralled audiences this year. Test Molecular Shape Answer Key : Colleen Hoover's "It Ends with Us" This poignant tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover skillfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Test Molecular Shape Answer Key : Delia Owens "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens weaves a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These top-selling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a exceptional and thrilling novel that will keep you wondering until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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