

Video Practice for Topic I.1-2:

1.1 Coulombic Forces and Representation of Structure

1.2 Polarity, Dipole Moments and Formal Charge

Recommended reading for this topic:

Lesson I.1-2 in *Organic Chemistry 1 Primer 2018*,

by Rhett C. Smith, Andrew G. Tennyson and Tania Houjeiry

Additional Videos and how to match videos to your course text book:

ProtonGuru.com

Structure, Dipoles and Formal Charges

Provide a suitable Lewis structure for a neutral compound with the formula CH_2N_2 .



Structure, Dipoles and Formal Charges



Which molecule has the largest dipole moment (μ)?

- (A) CH_4
- (B) CF_4
- (C) CH_2Cl_2
- (D) CO_2

Structure, Dipoles and Formal Charges



Which molecule has the largest dipole moment (μ)?

- (A) SiH_4
- (B) CF_4
- (C) CH_2Cl_2
- (D) CH_2F_2

Structure, Dipoles and Formal Charges

Provide all nonzero formal charges in the structures provided:

