

CHEM HELP *ASAP*

Organic Chemistry Problem Set

Converting Condensed Structural Formulas to Lewis Dot Structures

Instructions: For the questions below, convert the condensed structural formula into a valid Lewis dot structure. Show bonding pairs of electrons as line. Draw lone pairs as two dots. All second-row elements satisfy the octet rule and do not have formal charges.

Suggested playlist:

<https://www.youtube.com/watch?v=yyAj6lqN-OY&list=PLIzSRqjN72jfDXnZgaozTjb3KKjpBCUp9>

YouTube video of answered questions:

<https://youtu.be/WtphrwHU1FQ>

Questions:

1. H_2O
2. CH_3OH
3. NH_2OH
4. HOCH_2CH_3
5. CH_2O
6. $\text{CH}_3\text{C}(\text{O})\text{CH}_3$
7. $\text{HOCH}(\text{CH}_3)_2$
8. $\text{CH}_3\text{CH}(\text{OH})\text{CH}_3$
9. $(\text{CH}_3)_2\text{CHNHCH}_3$
10. $\text{CH}_3\text{CH}(\text{CH}_2\text{CH}_3)\text{CH}_2\text{NH}_2$