: H : C : H :	
: Cl: H: C: H : Cl:	
о н н: С:: С! н	
· : H : H : C : H · : Cl : Cl :	
H: C: H: :Cl: :H: C:: H. :H: C:: H.	
Cl:	
○ H H: C: H Cl ○ : H: : H: C: H	
: Cl: Question 2	1 pt
How would you classify the bond in O ₂ ? ionic bond covalent triple bond covalent single bond	
Covalent double bond Question 3	1 pt
When drawing the Lewis structure for ammonia (NH ₃), we get how many shanneeded (N), and available (A) electrons, and how many lone pairs (LP)? O S = 6, N = 14, A = 8, LP = 1 O S = 6, N = 8, A = 14, LP = 1	red (S),
S = 6, N = 14, A = 8, LP = 0 S = 3, N = 14, A = 8, LP = 1 Question 4	1 pt
How many lone pairs of electrons are on nitrogen in NF ₃ ? one two three zero	
Question 5 What are the values of S, N, and A for CH ₃ COCH ₃ ?	1 pt
S = shared electrons N = needed electrons A = available electrons O S = 44 N = 20	
N = 20 A = 24 S = 24 N = 20 A = 44 S = 20	
 S = 20 N = 44 A = 24 S = 16 N = 40 A = 24 	
Question 6 Select the correct Lewis Dot structure for the molecule containing one C and	1 pt
atoms. F: C: F: : F:	
· F : C : F · F : C : F · F : C :: F	
: F: : F: : F: C: F: : F:	
·· · : F : C : F : · : F : · : F : · : F :	
: F : C :: F F F : C : F	
F: C: F: :F: :F:	
○ F F:C:F :F:	
Question 7 Which of the following compounds contains exactly one unshared pair of vale electrons?	1 pt
 SiH₄ PH₃ H₂S C₂H₄ 	
Question 8 Draw the Lewis Structure for CH_2O . How many lone pairs are found on the m	1 pt
0421	
Question 9 $Which of the following describes the C-C bond in acetylene (ethyne, C_2H_2)?$	1 pt
 double bond 1.5 bond in resonance single bond triple bond 	
Question 10 How many unshared electrons and bonding electrons exist around the centra ozone (O_3) ?	1 pt
ozone (O ₃)? o six, two two, six zero, eight four, four	
Question 11 Resonance is a concept that describes the bonding in molecules	1 pt
 by asserting that double or triple bonds 'flip' or resonate between two locations in the where there is more than one choice of location for a double or triple bond as deduced by asserting that electrons in a double bond can delocalize (spill over) onto adjacent to make a bond and a half. 	ed from I locations.
Question 12 The carbonate ion (CO_3^{2-}) has how many resonance configurations?	1 pt
2 3 The carbonate ion does not exhibit resonance.	
Question 13 When measuring a carbon-carbon bond in benzene, a compound that exhibit resonance, you would find that	1 pt
 resonance, you would find that the bond strength of each bonding region in resonance is close to the average of a strength bond. 50% of the time we would measure a single bond and 50% of the time we would me double bond 	
Question 14 Calculate the formal charge on N in the molecule NH ₃ .	1 pt
3021	
Question 15	1 pt
How many single bonds and double bonds (respectively) are represented by condensed/skeletal formula?	
condensed/skeletal formula? H ₂ C 11, 7 12, 4	
condensed/skeletal formula? H ₂ C —	
condensed/skeletal formula? H ₂ C 11, 7 12, 4 15, 14 15, 4 Question 16 Consider the structural formula of a compound that happens to be the active many oral anesthetics used in sore throat sprays. What is the molar mass of compound?	ingredient i
condensed/skeletal formula? H ₂ C 11, 7 12, 4 15, 14 12, 14 15, 4 Question 16 Consider the structural formula of a compound that happens to be the active many oral anesthetics used in sore throat sprays. What is the molar mass of	ingredient i
Condensed/skeletal formula? H ₂ C 11, 7 12, 4 15, 14 15, 4 Question 16 Consider the structural formula of a compound that happens to be the active many oral anesthetics used in sore throat sprays. What is the molar mass of compound? ———————————————————————————————————	ingredient i
condensed/skeletal formula? 11, 7 12, 4 15, 14 15, 4 Question 16 Consider the structural formula of a compound that happens to be the active many oral anesthetics used in sore throat sprays. What is the molar mass of compound? OH 89 g/mol 94 g/mol 17 g/mol	ingredient i
Condensed/skeletal formula? 11, 7 12, 4 15, 14 12, 14 15, 4 Consider the structural formula of a compound that happens to be the active many oral anesthetics used in sore throat sprays. What is the molar mass of compound? OH 89 g/mol 94 g/mol 17 g/mol 50 g/mol Question 17 The following is the skeletal structure for a compound. What is the molecular formula of this structure? C _B H ₁₆ C _B H ₂₄ C _B H ₁₈	ingredient i
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Consider the structural formula of a compound that happens to be the active many oral anesthetics used in sore throat sprays. What is the molar mass of compound? Compound? COMPAND ON THE MEDICAL STRUCTURE FOR A COMPOUND ON THE MEDICAL STRUCTURE	ingredient ithis 1 pt
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condensed/skeletal formula? 11, 7 12, 4 15, 14 15, 14 15, 4 Consider the structural formula of a compound that happens to be the active many oral anesthetics used in sore throat sprays. What is the molar mass of compound? OH 88 g/mol 94 g/mol 17 g/mol 50 g/mol Question 17 The following is the skeletal structure for a compound. What is the molecular formula of this structure? CaH ₁₀ NO ₂ CaH ₁₀ NO ₂ CaH ₁₀ NO ₂ CaH ₁₁ NO ₂ CaH ₁₁ NO ₂	1 pt
condensed/skeletal formula? 11.7 12.4 15.14 15.4 Consider the structural formula of a compound that happens to be the active many oral anesthetics used in sore throat sprays. What is the molar mass of compound? OH 88 g/mol 94 g/mol 17 g/mol 50 g/mol Question 17 The following is the skeletal structure for a compound. What is the molecular formula of this structure? CeH ₁₆	1 pt he-counter
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condensed/skeletal formula? 11.7	1 pt
condensed/skeletal formula? 11, 7 12, 4 15, 14 15, 14 15, 14 Consider the structural formula of a compound that happens to be the active many orial anesthetics used in sore throat sprays. What is the molar mass of compound? Compound? Compound? Guestion 17 The following is the skeletal structure for a compound. Cally as Cal	1 pt
Consider the structural formula of a compound that happens to be the active mayor or al anesthetics used in sore throat sprays. What is the molar mass of compound? Consider the structural formula of a compound that happens to be the active mayor or al anesthetics used in sore throat sprays. What is the molar mass of compound? Consider the structural formula of this structure? Cophration 17 Cophration 19 Cophration 20 Cophration 21 Chiffy is (less, more) polar than Chiffy because Incomparing the displacements Incomparing the formula for the displacements Incomparing the formula formula formula and tanced the displacements Incomparing the formula f	1 pt
Considers the structural formulae of a compound that happens to be the active manage of an amentinetic used in area throat sprays. What is the motion mass of compound that happens to be the active manage of an amentinetic used in area throat sprays. What is the motion mass of compound? Considers the structural formulae of a compound that happens to be the active manage of compound? Compound? Compound? Compound? Consistent T7 The following is the skeletial structure for a compound. Contain Contain Contain to formulae of this structure? Coffs Cof	1 pt
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