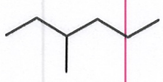
Quiz 1A

Name:

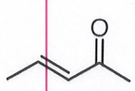
Signature:

The following quiz will start 5 minutes into your recitation section and go for 20 minutes. Please stay seated throughout the entire quiz. Good luck.

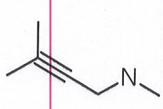
1.Provide the IUPAC name for the following (3 points).



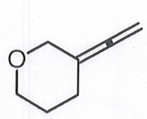
2. Redraw the following molecule, but this time showing all of the carbon and hydrogen atoms, and lone-pairs (3 points).



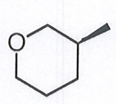
3. What is wrong about the following molecule. There may be multiple things (3 points).

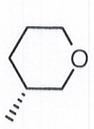


4. Put a circle around all of the carbons that are sp hybridized, and a line under all of the carbons that are sp2 hybridized (3 points).

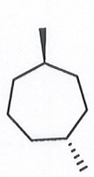


5. What is the stereochemical relationship between the following two molecules. Are they enantiomers, diastereomers or identical (4 points)





6. Is the following molecule chiral or achiral, and if achiral is it meso? (4 points)



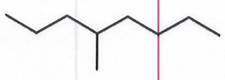
D

Quiz 1B

Name:

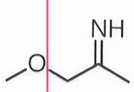
Signature:

The following quiz will start 5 minutes into your recitation section and go for 20 minutes. Please stay seated throughout the entire quiz. Good luck.

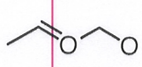
1.Provide the IUPAC name for the following (3 points). 

_____

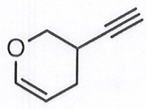
2. Redraw the following molecule, but this time showing all of the carbon and hydrogen atoms, and lone-pairs (3 points).



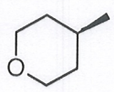
3. What is wrong about the following molecule. There may be multiple things (3 points).

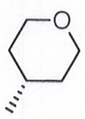


4. Put a circle around all of the carbons that are sp hybridized, and a line under all of the carbons that are sp2 hybridized (3 points).

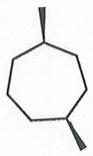


5. What is the stereochemical relationship between the following two molecules. Are they enantiomers, diastereomers or identical (4 points)





6. Is the following molecule chiral or achiral, and if achiral is it meso? (4 points)



Quiz 1C

Name:

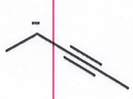
Signature:

The following quiz will start 5 minutes into your recitation section and go for 20 minutes. Please stay seated throughout the entire quiz. Good luck.

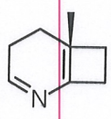
1.Provide the IUPAC name for the following (3 points).

_____

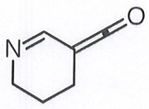
2. Redraw the following molecule, but this time showing all of the carbon and hydrogen atoms, and lone-pairs (3 points).



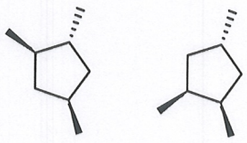
3. What is wrong about the following molecule. There may be multiple things (3 points).



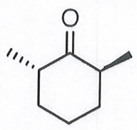
4. Draw in all of the p orbitals on the following molecule (3 points).



5. What is the stereochemical relationship between the following two molecules. Are they enantiomers, diastereomers or identical (4 points)



6. Is the following molecule chiral or achiral, and if achiral is it meso? (4 points)



S

Quiz 1D

Name:

Signature:

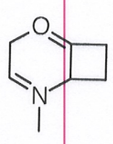
The following quiz will start 5 minutes into your recitation section and go for 20 minutes. Please stay seated throughout the entire quiz. Good luck.

1.Provide the IUPAC name for the following (3 points).

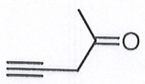
_____

2. Redraw the following molecule, but this time showing all of the carbon and hydrogen atoms, and lone-pairs (3 points).

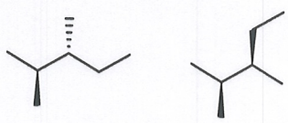
3. What is wrong about the following molecule. There may be multiple things (3 points).



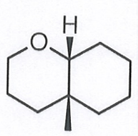
4. Draw in all of the p orbitals on the following molecule (3 points).



5. What is the stereochemical relationship between the following two molecules. Are they enantiomers, diastereomers or identical (4 points)



6. Circle the stereogenic centers of the following molecule, and label them (R) or (S). (4 points)



Y

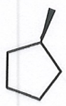
Quiz 1E

Name:

Signature:

The following quiz will start 5 minutes into your recitation section and go for 20 minutes. Please stay seated throughout the entire quiz. Good luck.

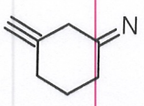
1.Provide the IUPAC name for the following (3 points).



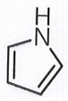
_____

2. Redraw the following molecule, but this time showing all of the carbon and hydrogen atoms, and lone-pairs (3 points).

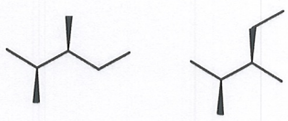
3. What is wrong about the following molecule. There may be multiple things (3 points).



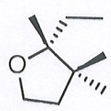
4. Put a circle around all of the carbons that are sp hybridized, and a line under all of the carbons that are sp2 hybridized (3 points).



5. What is the stereochemical relationship between the following two molecules. Are they enantiomers, diastereomers or identical (4 points)



6. Circle the stereogenic centers on the following molecule and label them (R) or (S) (4 points)



Quiz 1D

Name:

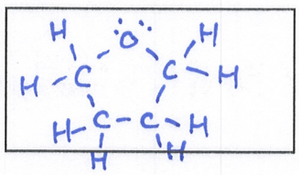
Signature:

The following quiz will start 5 minutes into your recitation section and go for 20 minutes. Please stay seated throughout the entire quiz. Good luck.

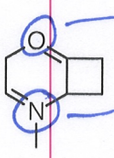
1.Provide the IUPAC name for the following (3 points).

bicyclo[3.1.0]hexane

2. Redraw the following molecule, but this time showing all of the carbon and hydrogen atoms, and lone-pairs (3 points).

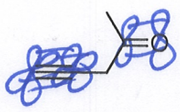


3. What is wrong about the following molecule. There may be multiple things (3 points).

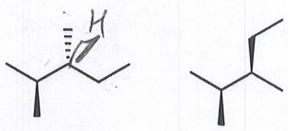


Charges should be (+)

4. Draw in all of the p orbitals on the following molecule (3 points).

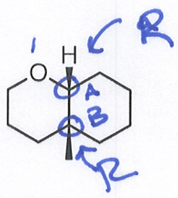


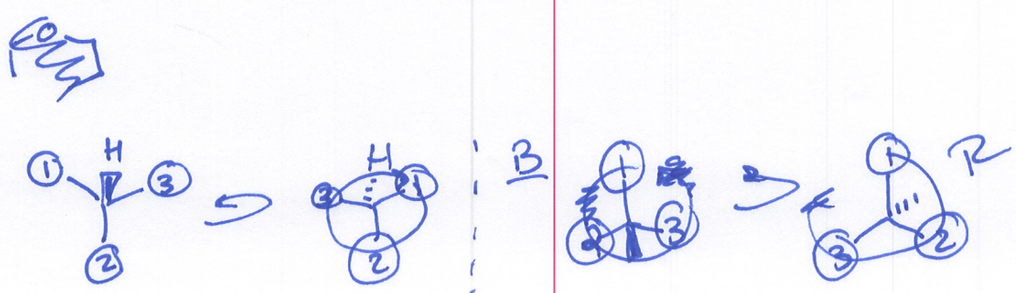
5. What is the stereochemical relationship between the following two molecules. Are they enantiomers, diastereomers or identical (4 points)



identical

6. Circle the stereogenic centers of the following molecule, and label them (R) or (S). (4 points)





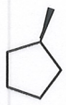
Quiz 1E

Name:

Signature:

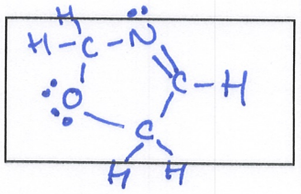
The following quiz will start 5 minutes into your recitation section and go for 30 minutes. Please stay seated throughout the entire quiz. Good luck.

1.Provide the IUPAC name for the following (3 points).

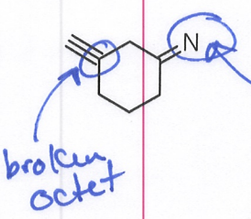


methylcyclopentane

2. Redraw the following molecule, but this time showing all of the carbon and hydrogen atoms, and lone-pairs (3 points).



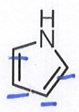
3. What is wrong about the following molecule. There may be multiple things (3 points).



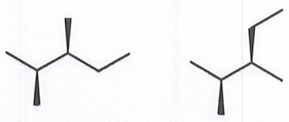
broken octet

charge of

4. Put a circle around all of the carbons that are sp hybridized, and a line under all of the carbons that are sp2 hybridized (3 points).

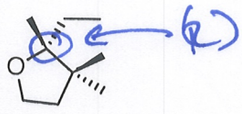


5. What is the stereochemical relationship between the following two molecules. Are they enantiomers, diastereomers or identical (4 points)

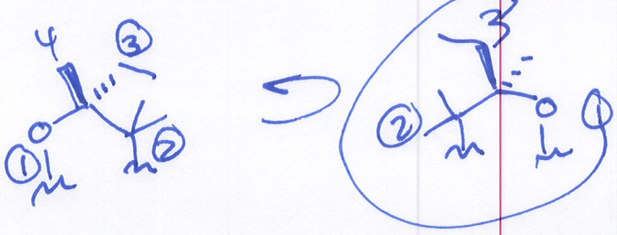


enantiomers

6. Circle the stereogenic centers on the following molecule and label them (R) or (S) (4 points)



(R)



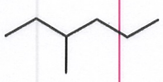
Quiz 1A

Name:

Signature:

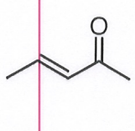
The following quiz will start 5 minutes into your recitation section and go for 30 minutes. Please stay seated throughout the entire quiz. Good luck.

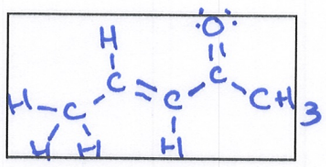
1.Provide the IUPAC name for the following (3 points).



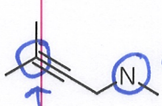
3-methylhexane

2. Redraw the following molecule, but this time showing all of the carbon and hydrogen atoms, and lone-pairs (3 points).





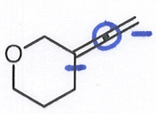
3. What is wrong about the following molecule. There may be multiple things (3 points).



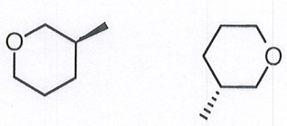
Charge should be negative

broken octet

4. Put a circle around all of the carbons that are sp hybridized, and a line under all of the carbons that are sp2 hybridized (3 points).

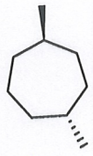


5. What is the stereochemical relationship between the following two molecules. Are they enantiomers, diastereomers or identical (4 points)



enantiomers

6. Is the following molecule chiral or achiral, and if achiral is it meso? (4 points)



Chiral

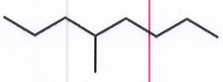
Quiz 1B

Name:

Signature:

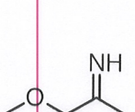
The following quiz will start 5 minutes into your recitation section and go for 20 minutes. Please stay seated throughout the entire quiz. Good luck.

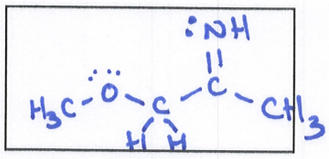
1.Provide the IUPAC name for the following (3 points).



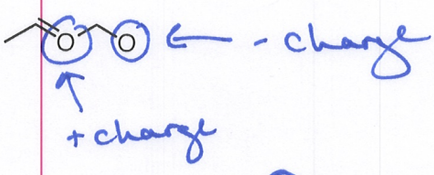
4-methyloctane

2. Redraw the following molecule, but this time showing all of the carbon and hydrogen atoms, and lone-pairs (3 points).

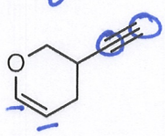




3. What is wrong about the following molecule. There may be multiple things (3 points).



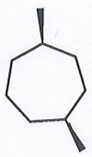
4. Put a circle around all of the carbons that are sp hybridized, and a line under all of the carbons that are sp2 hybridized (3 points).



5. What is the stereochemical relationship between the following two molecules. Are they enantiomers, diastereomers or identical (4 points)

identical

6. Is the following molecule chiral or achiral, and if achiral is it meso? (4 points)



achiral, meso

Quiz 1C

Name:

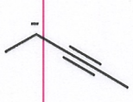
Signature:

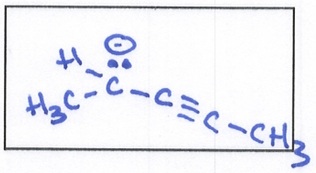
The following quiz will start 5 minutes into your recitation section and go for 20 minutes. Please stay seated throughout the entire quiz. Good luck.

1. Provide the IUPAC name for the following (3 points).

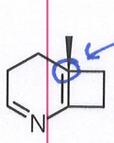
Cyclopentene

2. Redraw the following molecule, but this time showing all of the carbon and hydrogen atoms, and lone-pairs (3 points).



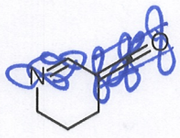


3. What is wrong about the following molecule. There may be multiple things (3 points).

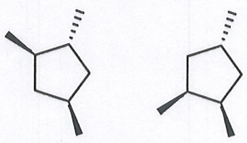


broken octet

4. Draw in all of the p orbitals on the following molecule (3 points).

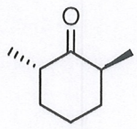


5. What is the stereochemical relationship between the following two molecules. Are they enantiomers, diastereomers or identical (4 points)



diastereomers

6. Is the following molecule chiral or achiral, and if achiral is it meso? (4 points)



Chiral