

 **Preview Assessment: Workshop 5**

Name Workshop 5

Instructions

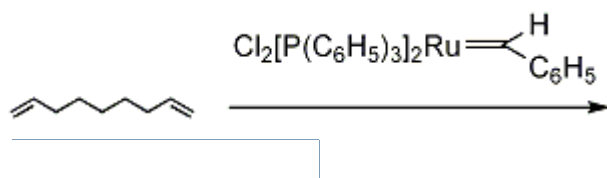
Multiple Attempts This Test allows multiple attempts.

Force Completion This Test can be saved and resumed later.

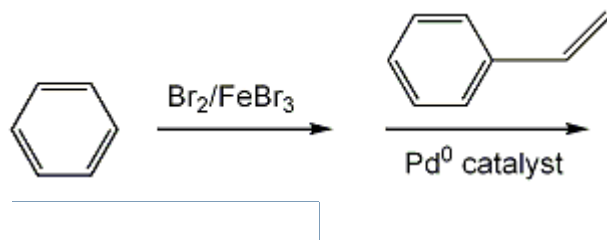
▼ **Question Completion Status:**

Question 11 points [Save](#)

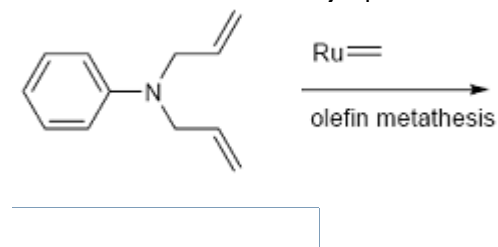
Draw the structure of the major product of the following reaction sequence:

**Question 2**1 points [Save](#)

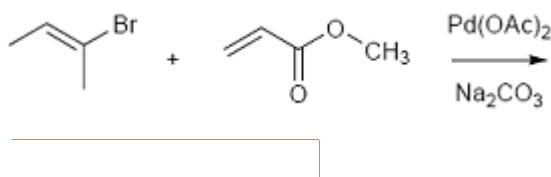
Draw the structure of the major product of the following reaction sequence:

**Question 3**1 points [Save](#)

Draw the structure of the major product of the following reaction sequence:

**Question 4**1 points [Save](#)

Draw the structure of the major product of the following reaction sequence:



Question 51 points [Save](#)What is the number of valence electrons for ferrocene $\text{Fe}(\text{C}_5\text{H}_5)_2$?

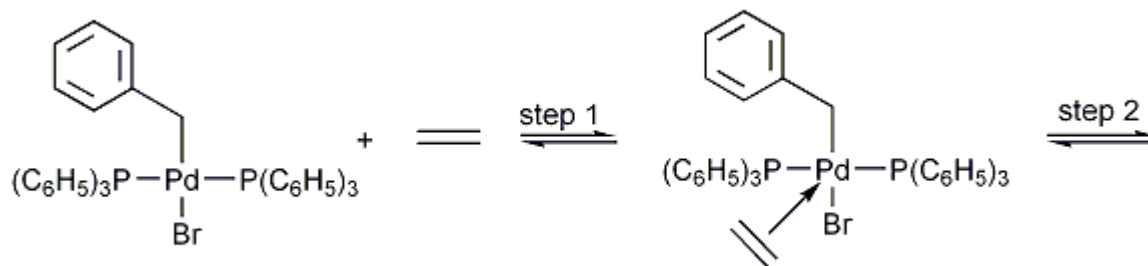
- 12
- 14
- 16
- 18
- 20

Question 61 points [Save](#)What is the number of valence electrons for the Wilkinson's catalyst $\text{RhCl}[\text{P}(\text{C}_6\text{H}_5)_3]_3$?

- 12
- 14
- 16
- 18
- 20

Question 7

Organometallic reactions can be classified into fundamental reaction types. Classify the following reaction.

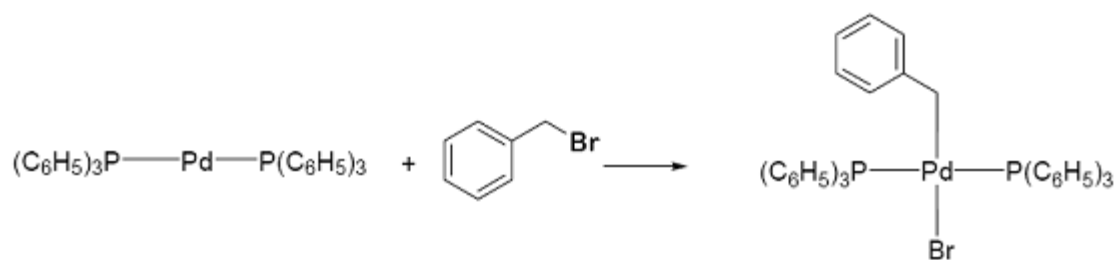


- step 1 - Ligand association; step 2 - Ligand dissociation
- step 1 - Ligand association; step 2 - Ligand insertion
- step 1 - Ligand insertion; step 2 - Ligand dissociation
- step 1 - Oxidative addition; step 2 - Ligand dissociation
- step 1 - Oxidative addition; step 2 - Reductive elimination

Question 8

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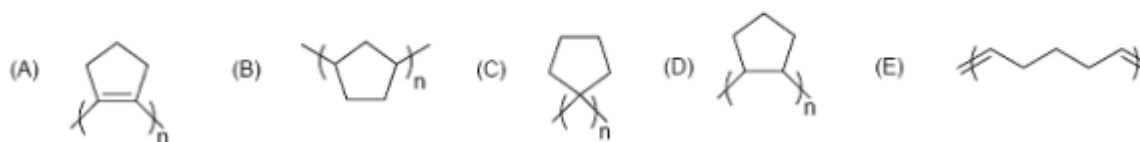
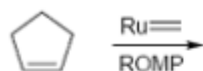
Organometallic reactions can be classified into fundamental reaction types. Classify the following reaction.



- Ligand association
- Ligand insertion
- Ligand dissociation
- Reductive elimination
- Oxidative addition

Question 9

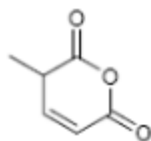
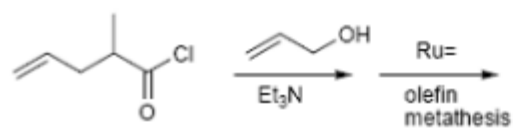
Choose the structure of the polymer produced by the ring opening metathesis reaction (ROMP) using ruthenium carbene complex.



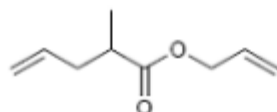
- A
- B
- C
- D
- E

Question 10

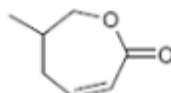
Choose the major product of the following reaction.



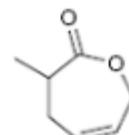
A



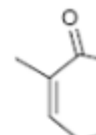
B



C



D



E

- A
- B
- C
- D
- E

Save

Submit