

**(29) Today**

Practice Arrow Pushing/Electron Movement  
Arrows

Review Session

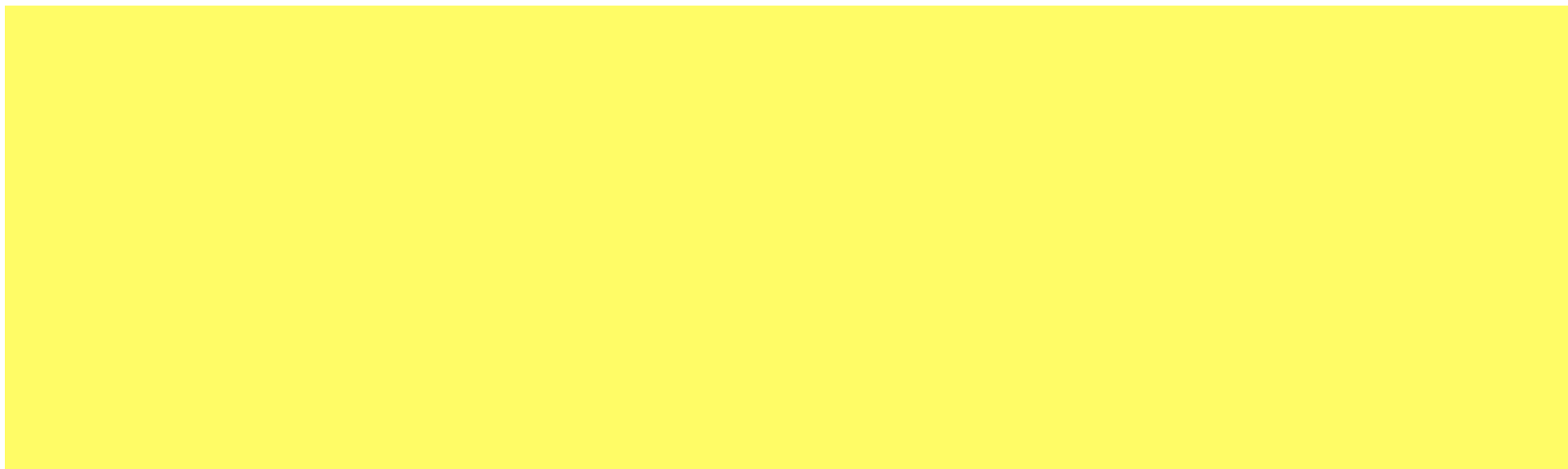
**Next Class ( )**

Test 3 on Chap 5 and 6.1 - 6.5

**(30) Second Class from Today**

**Third Class from Today (31)**

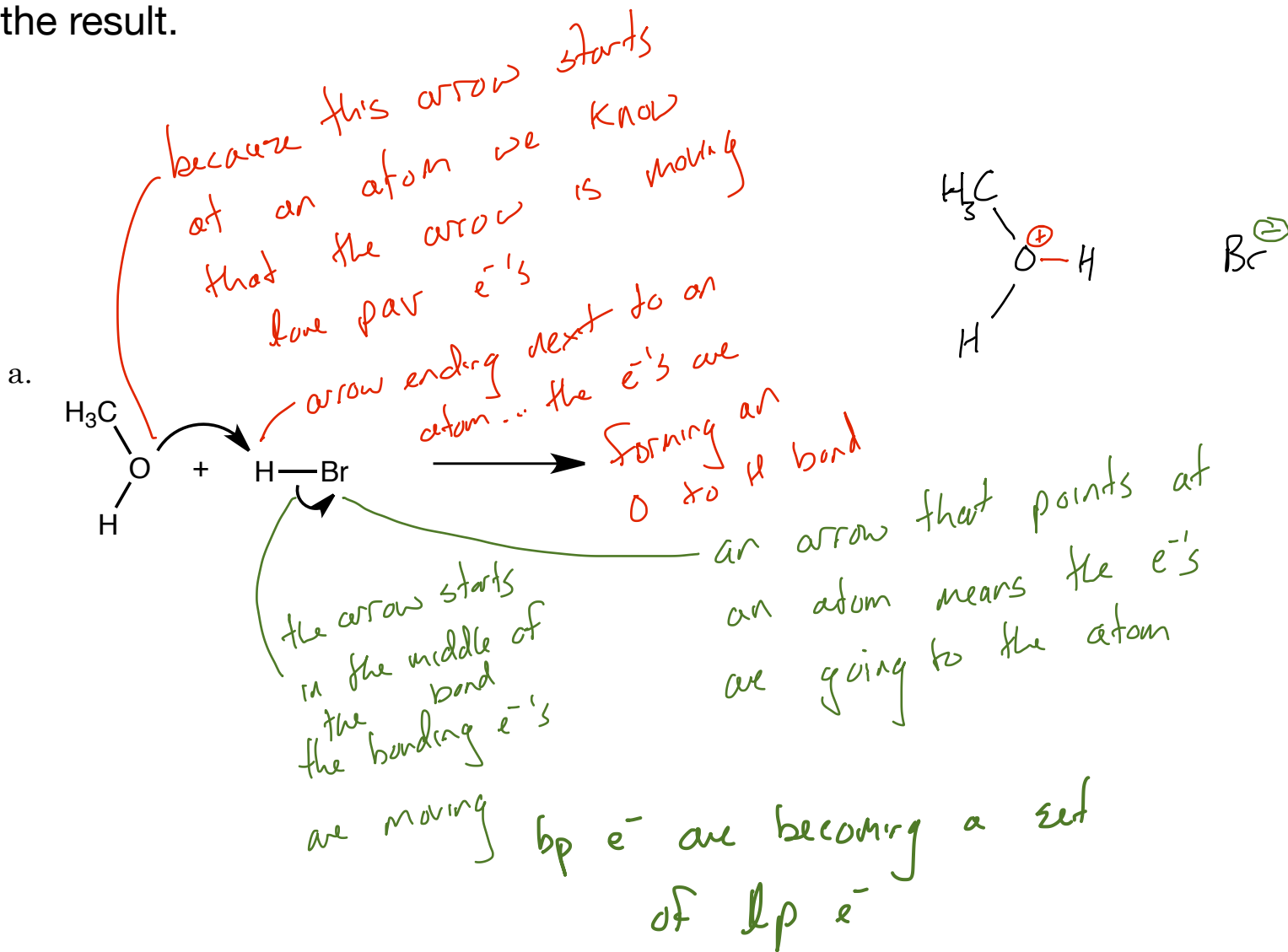
Chap 7



Step 1: Identify the electrons that the arrow is starting at

Step 2: Describe what the electrons are doing: making a bond, or becoming a lone pair

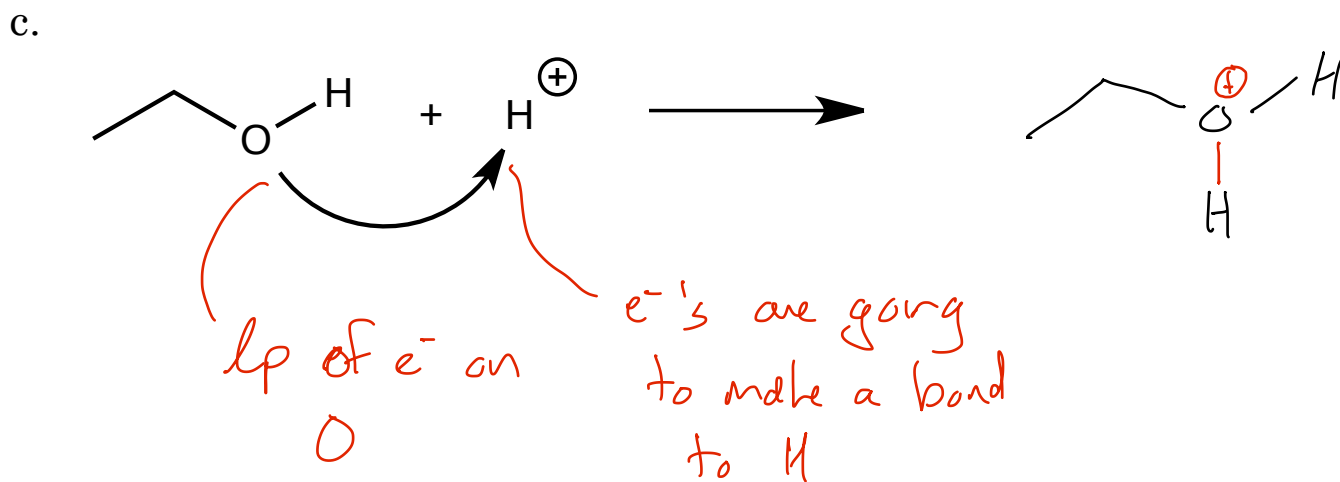
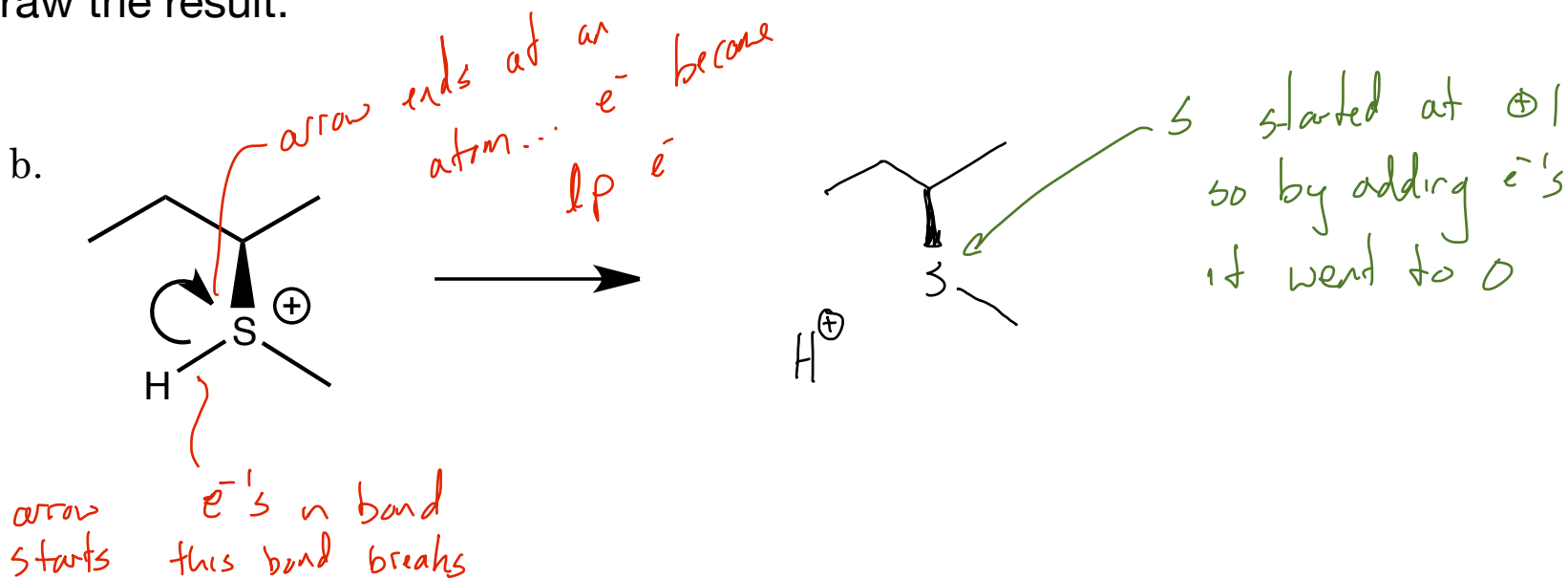
Step 3: Draw the result.



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Step 2: Describe what the electrons are doing: making a bond, or becoming a lone pair

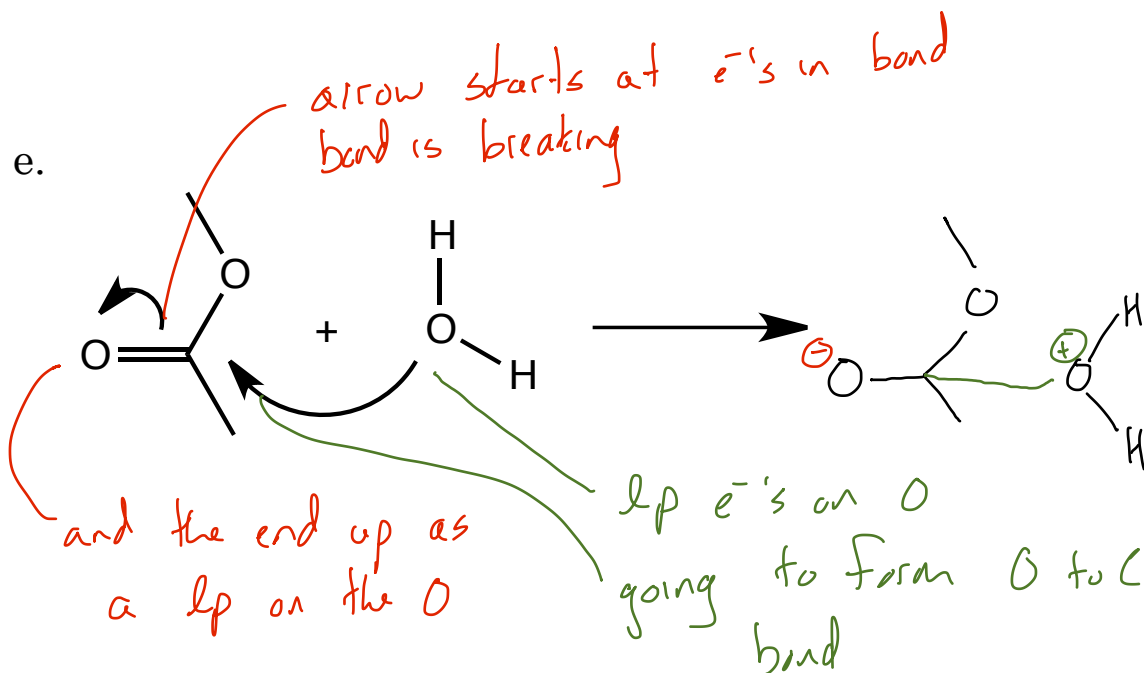
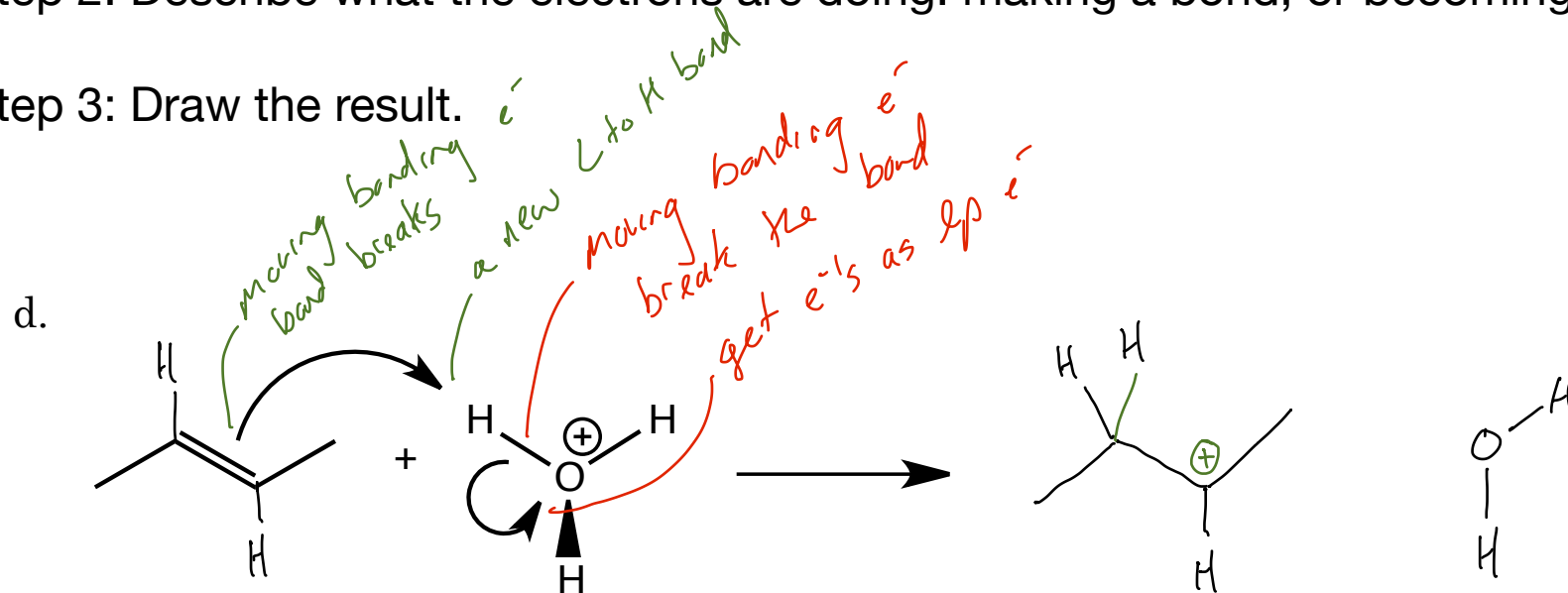
Step 3: Draw the result.



Step 1: Identify the electrons that the arrow is starting at

Step 2: Describe what the electrons are doing: making a bond, or becoming a lone pair

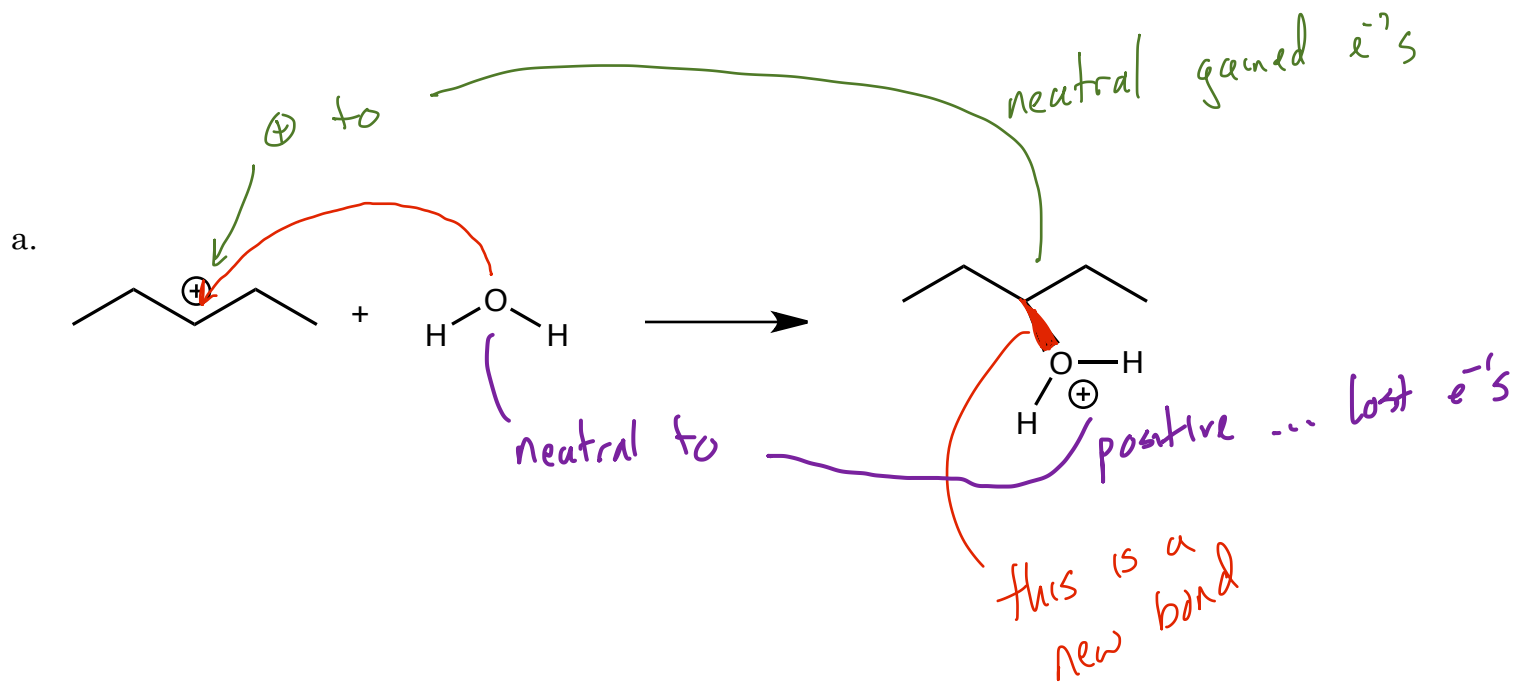
Step 3: Draw the result.



Step 1: Bonds that are forming, bonds that are lost, or changes in charge

Step 2: find the electrons to move.

Step 3: Draw the arrows.

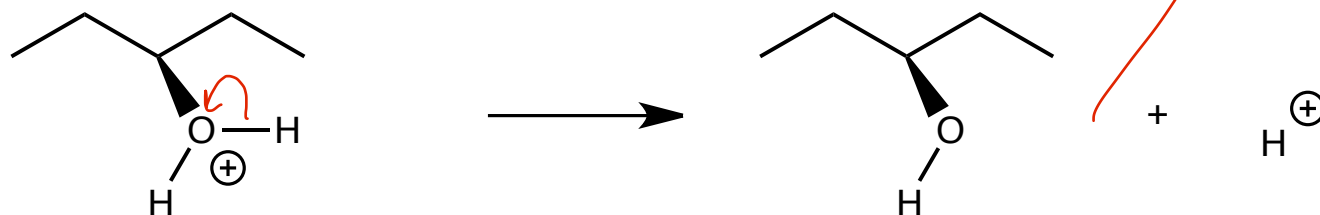


Step 1: Bonds that are forming, bonds that are lost, or changes in charge

Step 2: find the electrons to move.

Step 3: Draw the arrows.

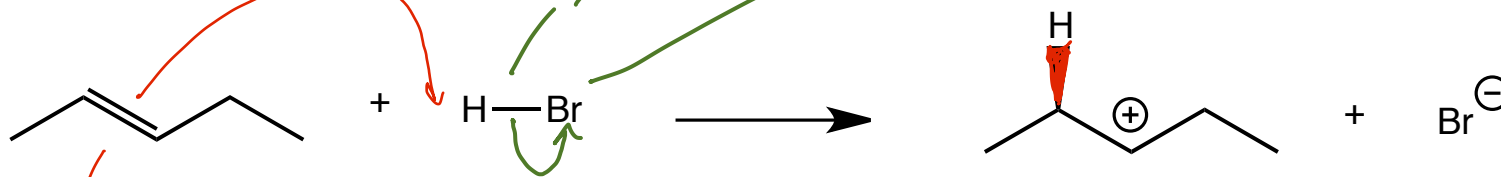
b.



*O<sup>+</sup> to neutral gets e<sup>-</sup>'s*

*lost O to H bond*

c.



*lost  $\pi$  bond... start arrow*

*bond is lost... start arrow*

*Br neutral to  $\ominus$  -- gaining e<sup>-</sup>'s  
end arrow*

*C to H bond forms... end arrow between C + H*

Step 1: Bonds that are forming, bonds that are lost, or changes in charge

Step 2: find the electrons to move.

Step 3: Draw the arrows.

*I goes from neutral to  $\ominus$   
gaining  $e^-$ 's .. end arrow*

