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الملف chemistry organic in Cleavage about Worksheet

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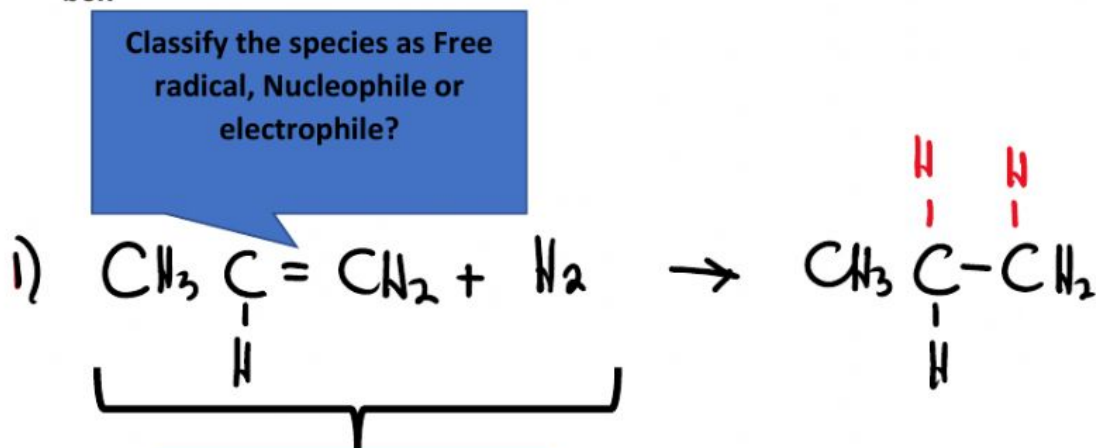
Question 1

State three differences between homolytic and heterolytic cleavage:

No	Item	Homolytic cleavage	Heterolytic cleavage
1	Types of bond (polar or non-polar)		
2	Break-up of the bond (symmetrical Or unsymmetrical)		
3	Energized by/Initiated by (UV/Sunlight Or T/P/Catalyst)		
4	Name of intermediate species		

Additional Question

Based on the chemical equation given, complete the related info in the given box

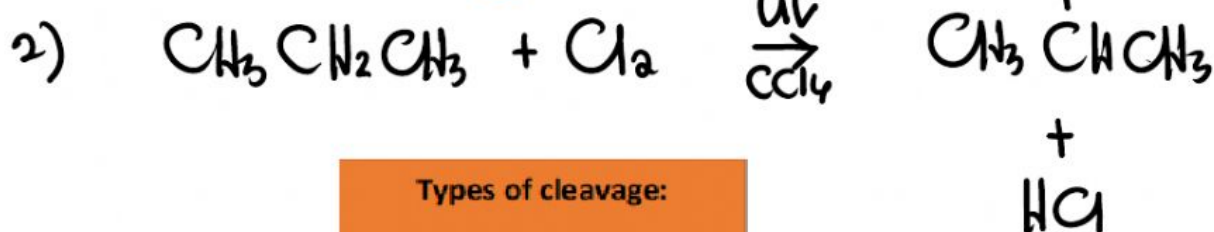


Types of cleavage:

Types of organic reaction:

Polarity of the bond?

Function of UV:
Supply of _____ for breaking
of the Cl₂ bond

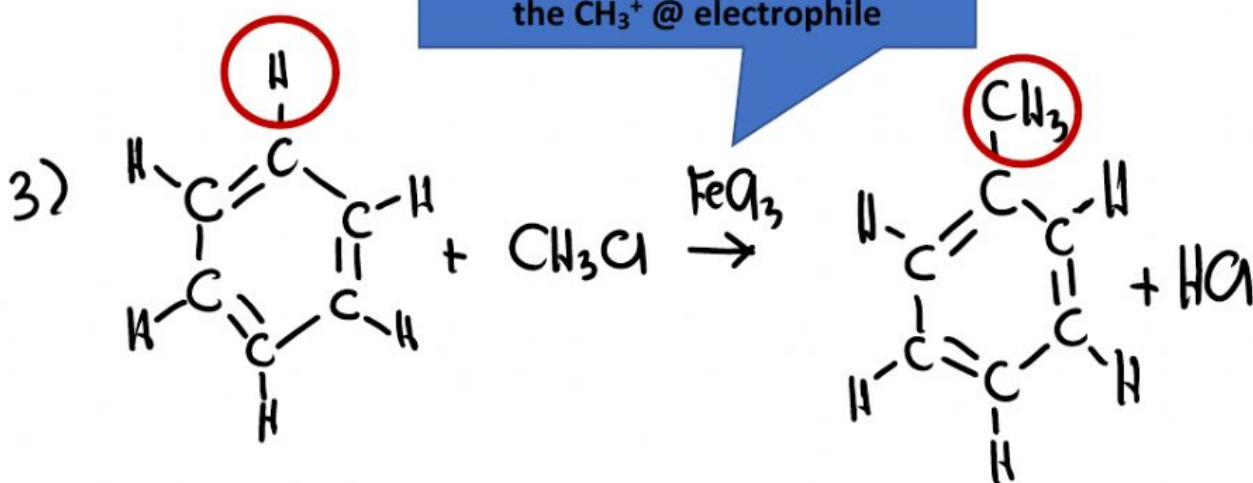


Types of cleavage:

Types of organic reaction:

Function of FeCl₃:

FeCl₃ is Lewis Acid that produce
the CH₃⁺ @ electrophile



Types of cleavage:

Types of organic reaction: