

* Organometallic Warm-up Answers

① a metal

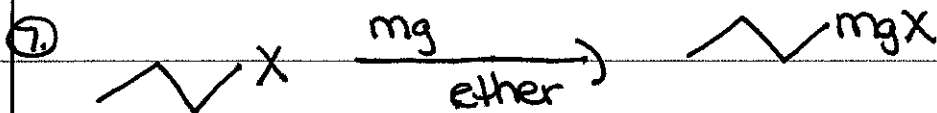
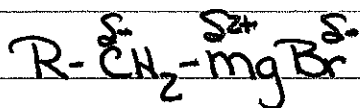
② Grignard Reagents

③ Gilman Reagents

④ Form new C-C bonds

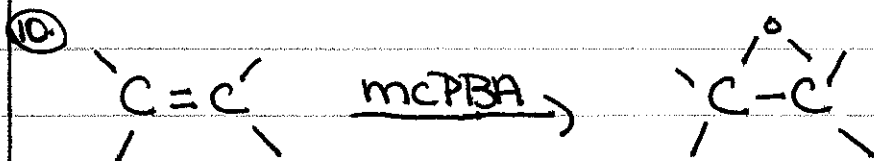
⑤ Nucleophiles

⑥

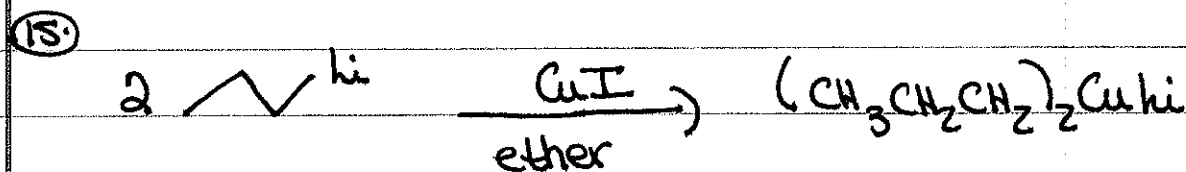
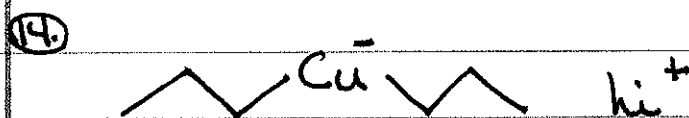
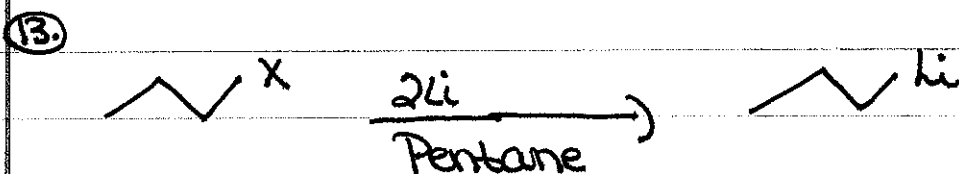
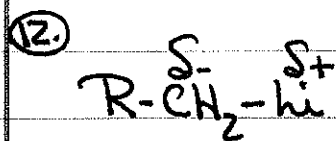


⑧ OH, SH, NH, or C≡CH

⑨ 3 membered rings w/ oxygen



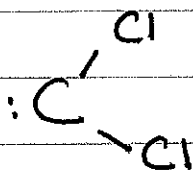
⑪ S_N2 : Forms new C-C bond & introduces ROH finality



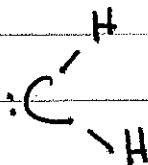
⑯ 1,2 Addition occurs w/ Grignard reagents.
The C=O is attacked & converted to C-OH.
The C=C remains intact.

1,4 Addition occurs w/ Gilman reagents.
The β C is attacked + C adds there. The C=O remains intact

17. Alpha-Elim



Simmons Smith



18. Electrophiles

19. sp^2

20.

