Exercise 1: - Curved arrows

Draw curved arrows to show the flow of electrons in the following reactions:

1.

2.

$$(H_3C)_3C$$
 \longrightarrow $(CH_3)_3C^+ + :C:$ $(H_3C)_3C$ \longrightarrow $(CH_3)_3C^+ + :C:$

3.

$$H_3CC = C$$
: $+ H_2C - CH_3$: $- H_3CC = C - H + CH_3$
 CH_3
 CH_3
 CH_3
 CH_3

$$H_2C$$
 CH_3 CH_3 CH_3 CH_3

4.

$$H_2C$$
 $+$
 H_2C
 $+$
 H_2C
 $+$
 $+$
 H_2C
 $+$
 $+$
 H_3
 CH_3
 $+$
 $+$
 H_3
 CH_3

5.

$$H_2C$$
 $+$
 BH_3
 H_2B
 H_2B
 H_3
 H_2B
 H_3
 H_4
 H_4
 H_5
 H_7
 H_8
 H

$$H_2C$$
 CH_3
 H_2B
 H

1.

$$H_3C$$
 H_3C
 H_3C