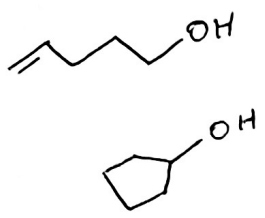
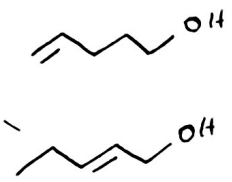
1 - $C_5H_{10}O$

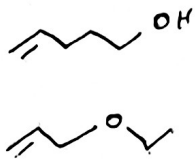
a) CADEIA



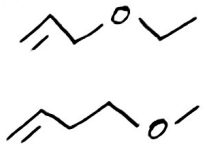
b) POSIÇÃO



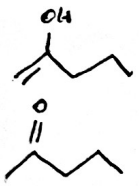
c) FUNÇÃO



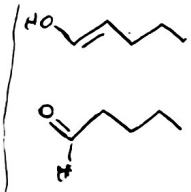
d) COMPENSAÇÃO



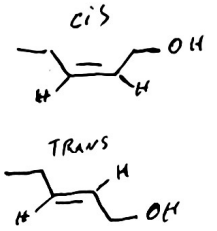
e) ENOL-CETONA



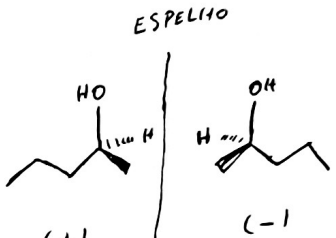
f) ENOL-ALDEÍDO



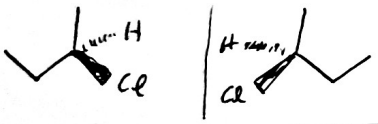
g) CIS - TRANS



h)



2°) 2 COMPOSTOS



3°) a) $C_2H_4 + H_2O \rightarrow C_2H_5OH$

b) BRASIL $4,2 \times 10^{10} L \times 0,75 = 3,15 \times 10^{10} L \Rightarrow$

$\Rightarrow C_2H_4 \text{ —— } C_2H_5O_4 \qquad d = \frac{m}{V} \Rightarrow V = \frac{m}{d} \Rightarrow \frac{46g}{800\frac{g}{L}} \Rightarrow 0,0575\,L$

28_g	$46_g = 0,0575L$
$28 kg$	$57,5 L$
$0,028T$	—— $57,5L$
x	—— $3,15 \times 10^{10} L$

$x = 1,53 \times 10^7$ TONELADAS DE ETENO

c) $C_2H_5OH + 3O_2 \rightarrow 2CO_2 + 3H_2O$

C_2H_5OH ——	$2CO_2$
$46g = 0,0575L$	$44g$
$57,5 L$	$44 kg = 0,044 T$
$(32 \times 7,5) L$	x

$57,5 L_e$ —	$0,044 T_{CO_2}$
$90 L_e$ —	x

$x = 0,069\,T_{CO_2}$

4°) I → SUBSTITUIÇÃO
II → ADIÇÃO
III → ELIMINAÇÃO

5°) 1 → H_2O. ELIMINAÇÃO.