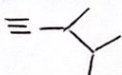
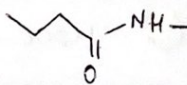
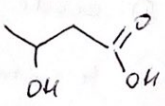
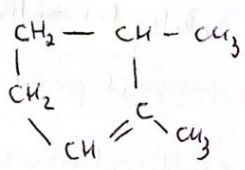
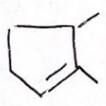
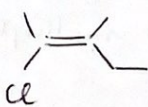
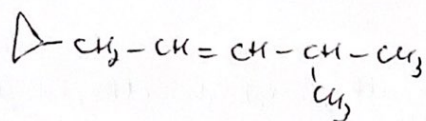
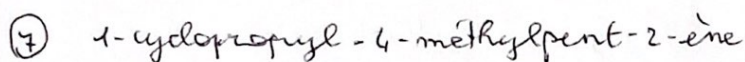
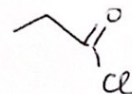
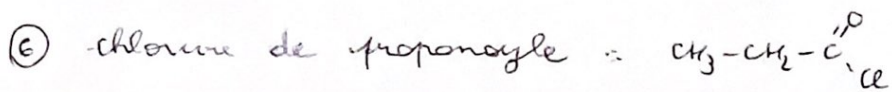
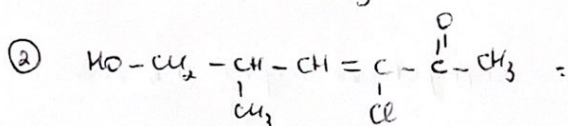
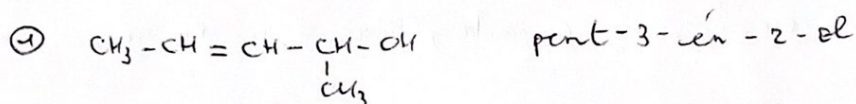


- I
- ① $\text{CH}_3 - \text{CH}_2 - \overset{4}{\underset{\text{CH}_2 - \text{CH}_2 - \text{CH}_3}{\text{CH}}} - \overset{5}{\text{CH}_2} - \overset{6}{\text{CH}_2} - \overset{7}{\text{CH}_2} - \overset{8}{\text{CH}_3} : 4\text{-éthyl-octane}$
- ② $\overset{7}{\text{CH}_3} - \overset{6}{\text{CH}_2} - \overset{5}{\underset{\text{CH}_3}{\text{CH}}} - \overset{4}{\text{CH}_2} - \overset{3}{\underset{\text{CH}_3}{\text{CH}}} - \overset{2}{\underset{\text{CH}_3}{\text{CH}}} - \overset{1}{\text{CH}_3} : 5\text{-éthyl-2,3-diméthylheptane}$
- ③ $\overset{6}{\text{CH}_3} - \overset{5}{\text{CH}} = \overset{4}{\underset{\text{CH}_3}{\text{C}}} - \overset{3}{\text{CH}_2} - \overset{2}{\text{CH}} = \overset{1}{\text{CH}_2} : 4\text{-méthylhexa-1,4-diéne}$
- ④ $\overset{6}{\text{CH}} \equiv \overset{5}{\text{C}} - \overset{4}{\text{C}} = \overset{3}{\text{CH}} - \overset{2}{\text{CH}} = \overset{1}{\text{CH}_2} : 4\text{-propylhex-5-yne-1,3-diéne}$
 $\text{CH}_2 - \text{CH}_2 - \text{CH}_3$
- ⑤ $\overset{1}{\text{CH}_2} = \overset{2}{\text{CH}} - \overset{3}{\underset{\text{C} \equiv \text{CH}}{\text{CH}}} - \overset{4}{\text{CH}} = \overset{5}{\text{CH}} - \overset{6}{\text{CH}_3} : 3\text{-éthynylhexa-1,4-diéne}$

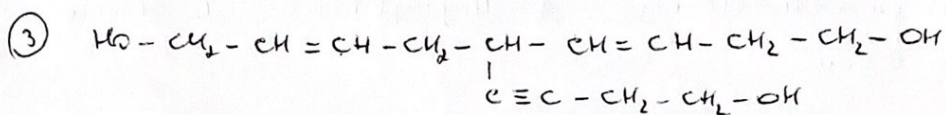
- II
- ① 3,4-diméthylpent-1-yne: $\text{CH} \equiv \text{C} - \underset{\text{CH}_3}{\text{CH}} - \underset{\text{CH}_3}{\text{CH}} - \text{CH}_3 \equiv$ 
- ② N-méthylbutanamide: $\text{CH}_3 - \text{CH}_2 - \text{CH}_2 - \overset{\text{O}}{\parallel}{\text{C}} - \text{NHCH}_3$ 
- ③ acide 3-hydroxybutanoïque: $\text{CH}_3 - \underset{\text{OH}}{\text{CH}} - \text{CH}_2 - \overset{\text{O}}{\parallel}{\text{C}} - \text{OH}$ 
- ④ 2,3-diméthylcyclopentène:  
- ⑤ 2-chloro-3-méthylpent-2-ène: $\text{CH}_3 - \underset{\text{Cl}}{\text{C}} = \underset{\text{CH}_3}{\text{C}} - \text{CH}_2 - \text{CH}_3$ 



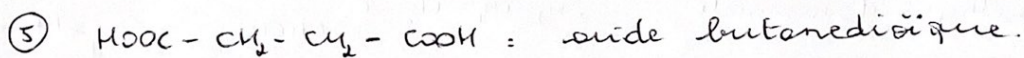
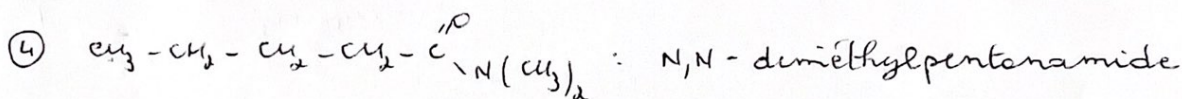
III



3-chloro-6-hydroxy-5-méthylhex-3-én-2-one



5-(4-hydroxybutynyl)-nona-2,6-diène-1,9-diol



IV

① acide 2-bromo-4-méthyl-5-oxopent-3-énoïque

② 4-amino-5-méthylhexa-2,3-dione

③ 4-éthyl-6-méthylheptan-2-ol

④ 1-chloro-3,3,4-triméthylcyclopentane

⑤ acide 3-propylpent-4-ynoïque

⑥ 5-éthyl-4,7-dioxooctanal

⑦ 4-amino-3-méthylpentan-2-one

⑧ 4-chloro-6-méthylhepta-3,6-diène-2-ol