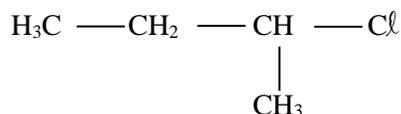
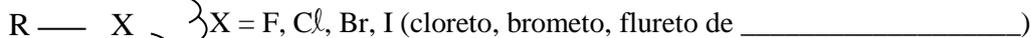
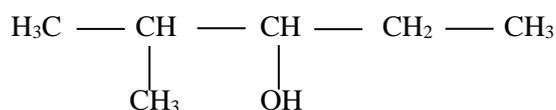


FUNÇÕES ORGÂNICAS – Prof. Flokinho

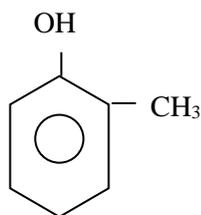
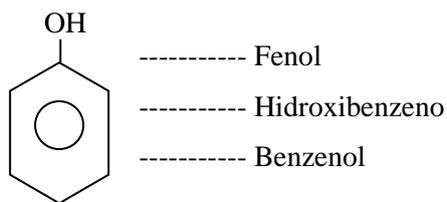
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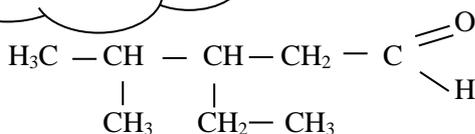
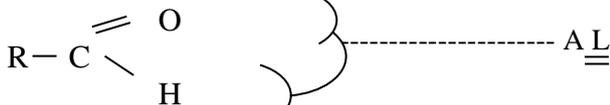
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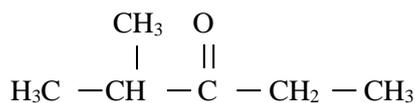
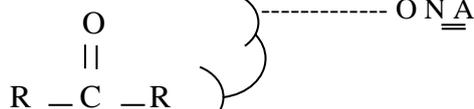
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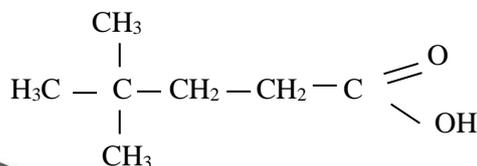
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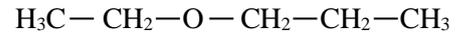
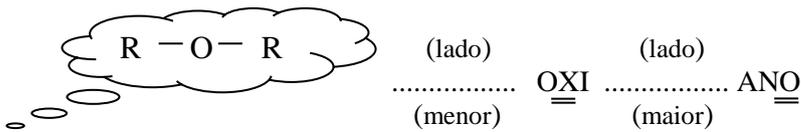
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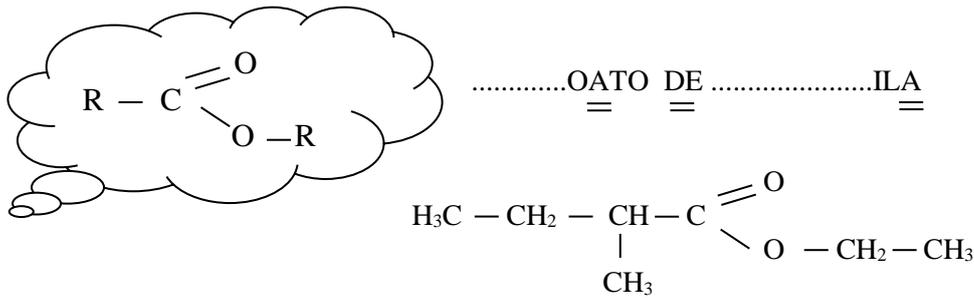
⇒ ÁCIDOS CARBOXÍLICOS



⇒ ÉTERES



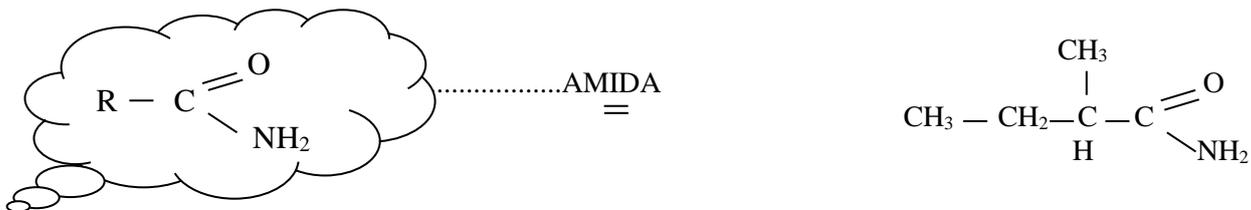
⇒ ÉSTERES



⇒ AMINAS

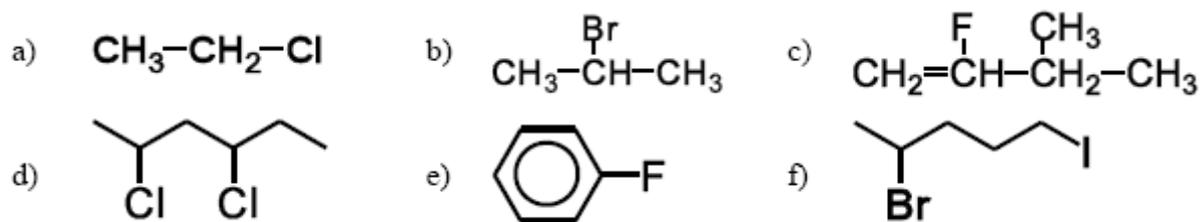


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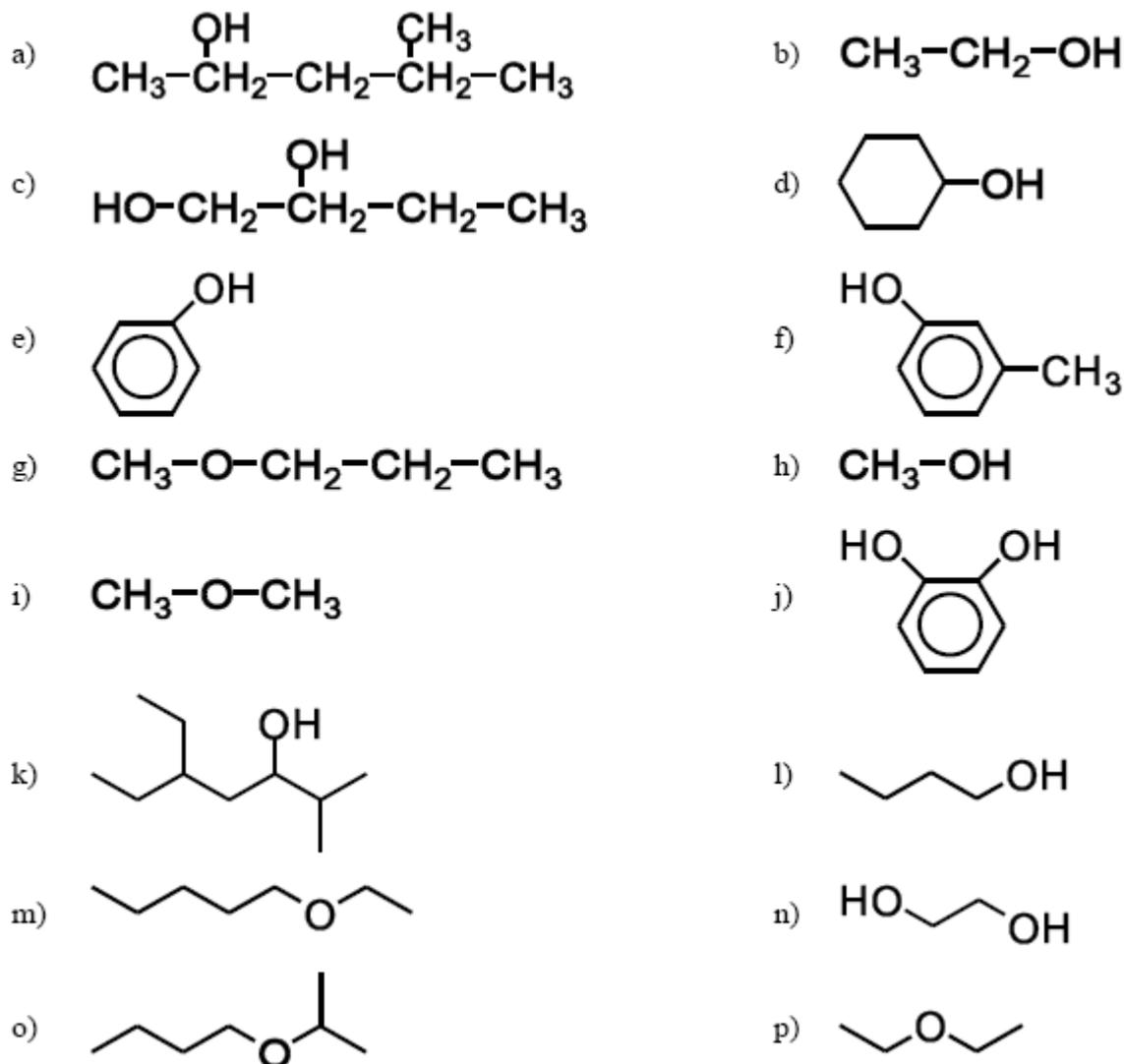


LISTA DE EXERCÍCIOS – NOMENCLATURA DE FUNÇÕES ORGÂNICAS - prof. Flokinho

1. Dê o nome segundo as recomendações da IUPAC para os seguintes compostos:



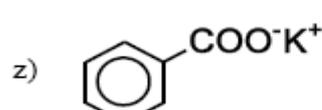
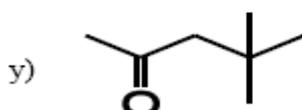
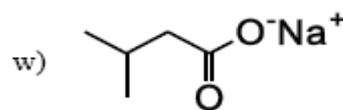
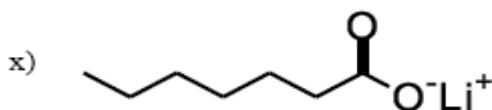
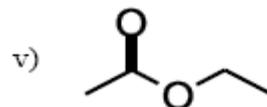
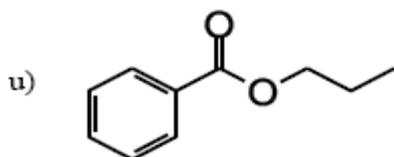
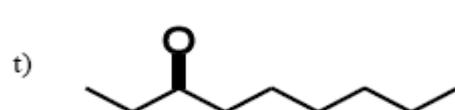
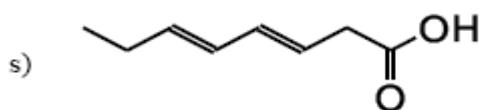
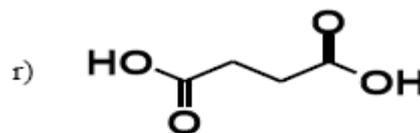
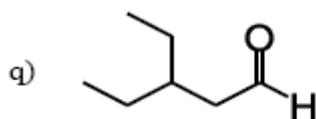
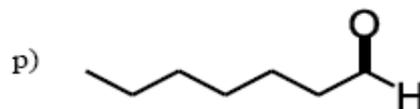
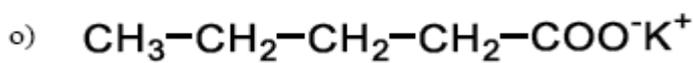
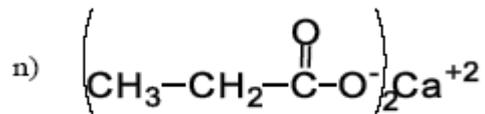
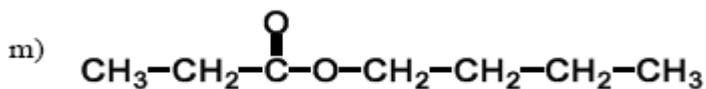
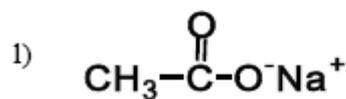
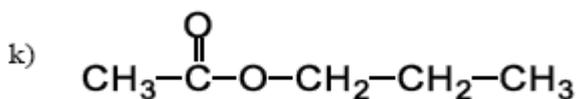
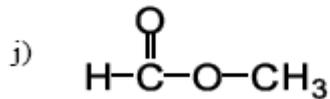
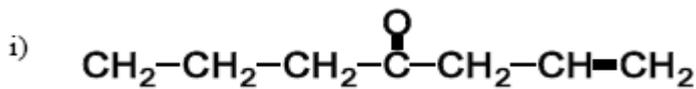
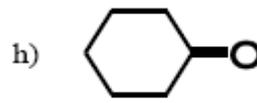
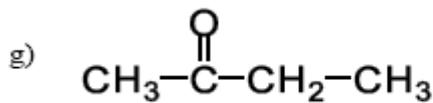
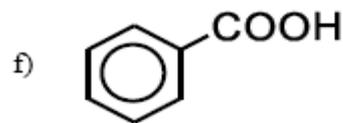
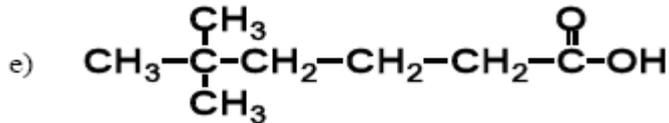
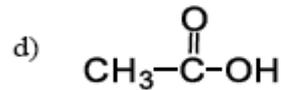
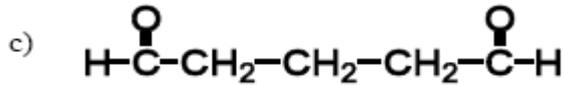
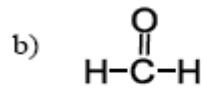
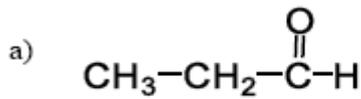
2. Dê o nome segundo as recomendações da IUPAC para os seguintes compostos:



3. Forneça as estruturas dos seguintes compostos orgânicos:

- | | |
|----------------------------|------------------------------|
| a) Hexan-1-ol | e) 3,4-dimetil-hept-5en-2-ol |
| b) 2-metil-hidroxibenzeno | f) p-di-hidroxibenzeno |
| c) metilpropano-1,2-diol | g) 3,4-dicloropentan-1-ol |
| d) 1,3-dibromociclo-hexano | h) 2-fluor-2-iodobutano |

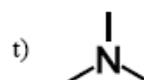
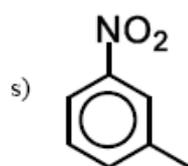
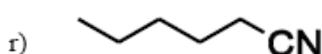
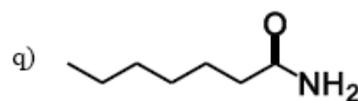
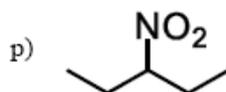
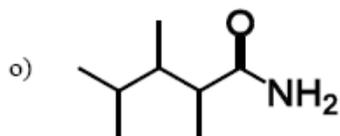
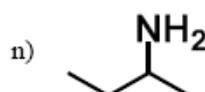
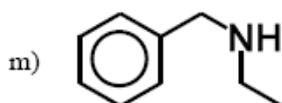
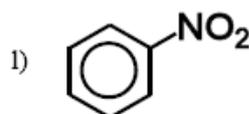
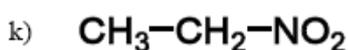
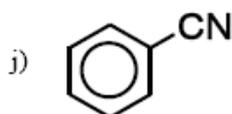
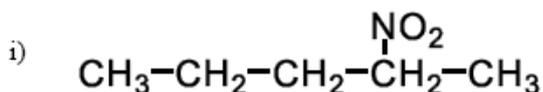
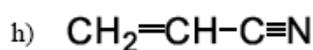
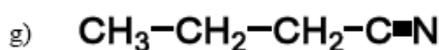
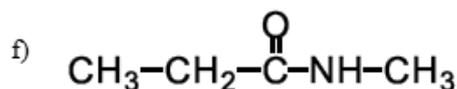
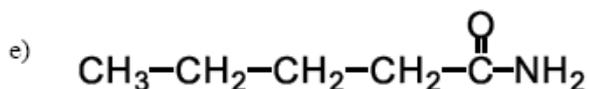
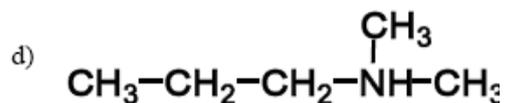
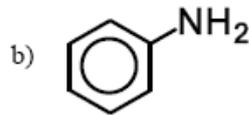
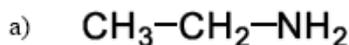
4. Dê o nome segundo as recomendações da IUPAC para os seguintes compostos:



5. Forneça as estruturas dos seguintes compostos orgânicos:

- a) Ácido metanoico e) Butanoato de lítio
 b) Ciclopentanona f) 3-metilhexan-2-ona
 c) 3,3-dietilpentanal g) etanoato de magnésio
 d) Etanoato de hexila h) Butanoato de isopropila

6. Dê o nome segundo as recomendações da IUPAC para os seguintes compostos:



7. Forneça as estruturas dos seguintes compostos orgânicos:

- a) Etilfenilpropilamina e) 3-metil-2-nitrobutano
 b) terc-butilamina f) 1,3,5-trinitrobenzeno
 c) N,N-dimetilpentanamida g) Propanonitrila
 d) 3-etil-hexanamida h) pent-4-enonitrila

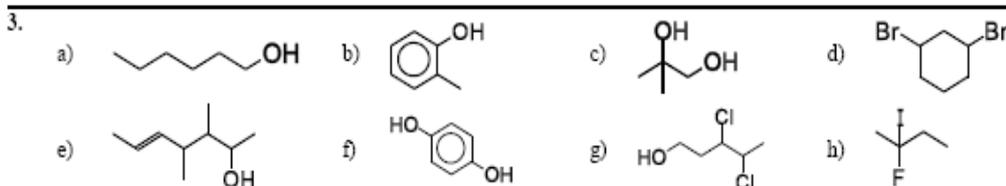
8. Forneça as estruturas dos seguintes compostos orgânicos, identificados pelos seus nomes triviais ou comuns:

- a) Etileno f) Éter dietílico
 b) Acetileno g) Acetona
 c) Naftaleno h) Ácido acético
 d) Tolueno i) Formaldeído
 e) Álcool etílico j) Acetato de metila

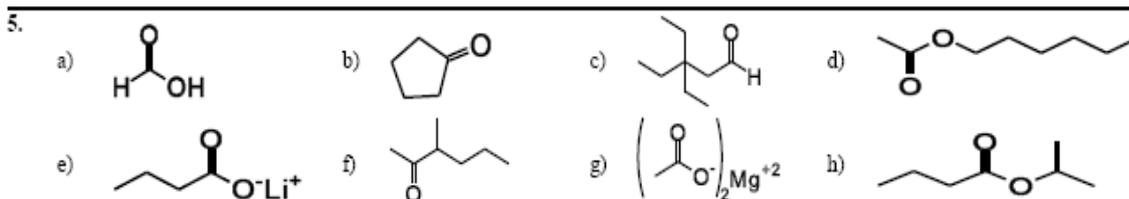
GABARITO

1.
a) cloroetano b) 2-bromopropano c) 2-fluor-3-metilbut-1-eno
d) 2,4-dicloro-hexano e) fluorbenzeno f) 4-bromo-1-iodopentano

2.
a) 4-metilpentan-2-ol g) metoxipropano l) butan-1-ol
b) etanol h) metanol m) etoxipentano
c) butan-1,2-diol i) metoximetano n) etano-1,2-diol
d) ciclo-hexanol j) 1,2-di-hidroxibenzeno o) isopropoxibutano
e) hidroxibenzeno k) 5-etil-2-metil-heptan-3-ol p) etoxietano
f) 3-metil-hidroxibenzeno ou 3-metilfenol



- 4.
- | | | |
|--------------------------------|---------------------------|------------------------------|
| a) propanal | j) metanoato de metila | s) ácido octa-3,5-dienoico |
| b) metanal | k) etanoato de propila | t) nonan-3-ona |
| c) pentanodial | l) etanoato de sódio | u) benzoato de propila |
| d) ácido etanoico | m) propanoato de butila | v) etanoato de etila |
| e) ácido 5,5-dimetil-hexanoico | n) propanoato de cálcio | x) heptanoato de lítio |
| f) ácido benzoico | o) pentanoato de potássio | w) 3-metilbutanoato de sódio |
| g) butanona | p) heptanal | y) 4,4-dimetilpentan-2-ona |
| h) ciclo-hexanona | q) 3-etilpentanal | z) benzoato de potássio |
| i) hept-1-en-4-ona | r) ácido butanodioico | |



- 6.
- | | | |
|-----------------------|------------------------------------|------------------------------|
| a) etilamina | h) propenonitrila | o) 2,3,4-trimetilpentanamida |
| b) fenilamina | i) 2-nitropentano | p) 3-nitropentano |
| c) etilmetilamina | j) benzonitrila | q) heptanamida |
| d) dimetilpropilamina | k) nitroetano | r) hexanonitrila |
| e) pentanamida | l) nitrobenzeno | s) 3-metilnitrobenzeno |
| f) N-metilpropanamida | m) benziletilamina | t) trimetilamina |
| g) butanonitrila | n) sec-butilamina ou 2-aminobutano | |

