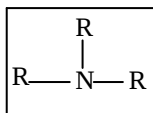


FUNÇÕES NITROGENADAS

1. AMINAS



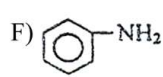
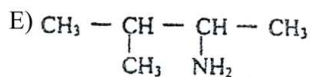
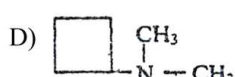
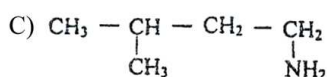
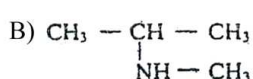
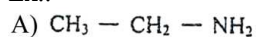
É caracterizado pela presença do grupamento amina.

As aminas podem ser primárias, secundárias ou terciárias.

1.1 NOMENCLATURA IUPAC

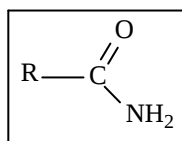
Nome dos Radicais amina

Ex.:



2. AMIDAS

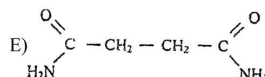
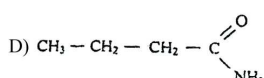
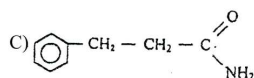
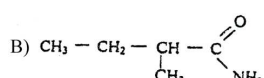
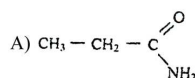
É caracterizado pela presença do grupamento carbonilamida.



2.1 NOMENCLATURA IUPAC

Terminação: AMIDA

Ex.:



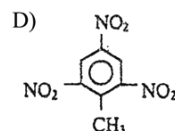
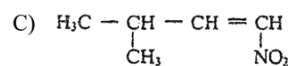
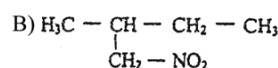
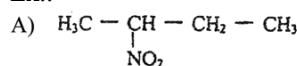
3. NITROCOMPOSTO

É caracterizado pela presença do grupamento nitro.

3.1 NOMENCLATURA IUPAC

Considera-se o grupo nitro como uma ramificação.

Ex.:



4. NITRILAS

R—CN

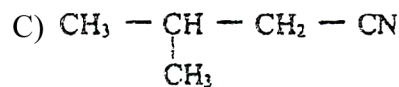
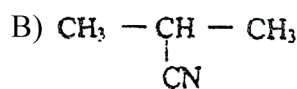
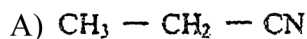
4.1 NOMENCLATURA IUPAC

Terminação: NITRILA

4.2 NOMENCLATURA USUAL

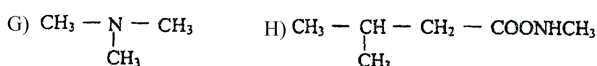
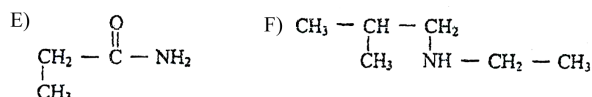
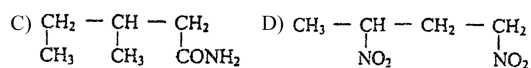
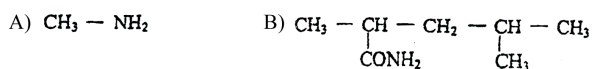
Cianeto de Nome do Radical

Ex.:



EXERCÍCIOS PROPOSTOS

1. Dê a nomenclatura IUPAC e a usual quando possível:



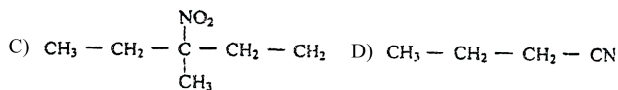
2. Escreva as seguintes fórmulas estruturais:

- N-metil – propanamida
- isobutiramida
- 3-metil-3-nitro-pentano
- cianeto de propila
- Fenilamina
- N-metil-anilina

RESPOSTAS

- metilamina
 - 2,4-dimetil-pentanoamida
 - 3-metil-pentanoamida
 - 1,3-dinitro-butano
 - propanoamida ou propionamida
 - etil-isobutilamina
 - trimetilamina
 - 4-metil-pentanonitrila ou cianeto de isopentila

2.



RESULTADO FINAL UEECE 2010.2

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20 LUGAR GERAL

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