

**3^a
SÉRIE**

CANAL SEDUC-PI3



PROFESSOR (A):

**FELIPE
ROSAL**



DISCIPLINA:

QUÍMICA



CONTEÚDO:

**FUNÇÕES
NITROGENADAS**



TEMA GERADOR:

**SAÚDE NA
ESCOLA**



DATA:

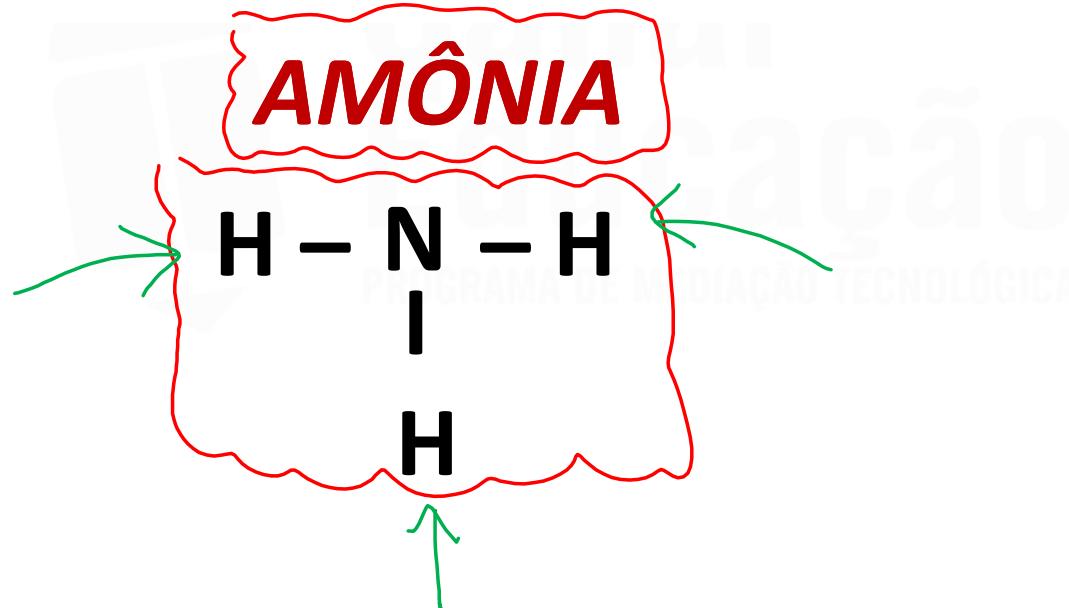
25.05.2019

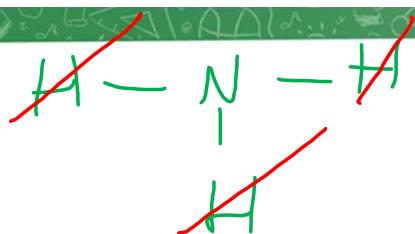
FUNÇÕES NITROGENADAS



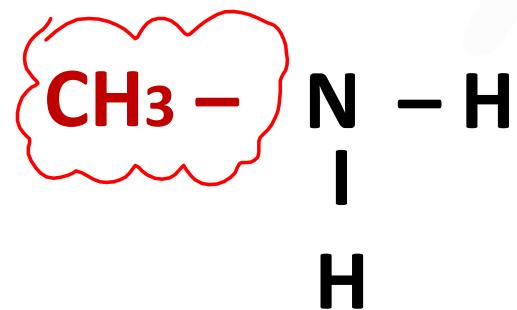
AMINAS

São compostos derivados da molécula do NH_3 pela substituição de um ou mais átomos de hidrogênio por radicais monovalentes derivados dos hidrocarbonetos

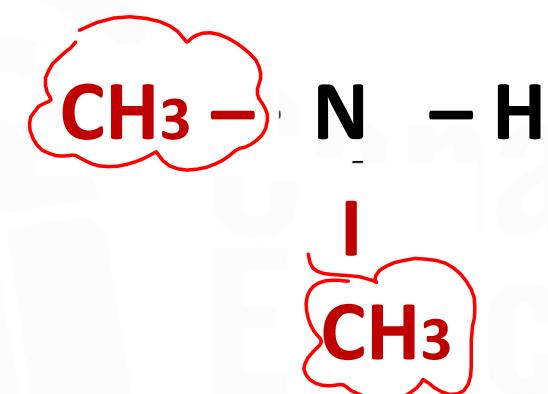




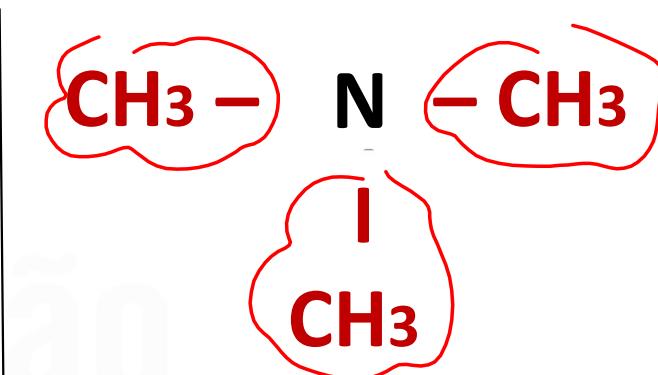
CLASSIFICAÇÃO DAS AMINAS



amina primária

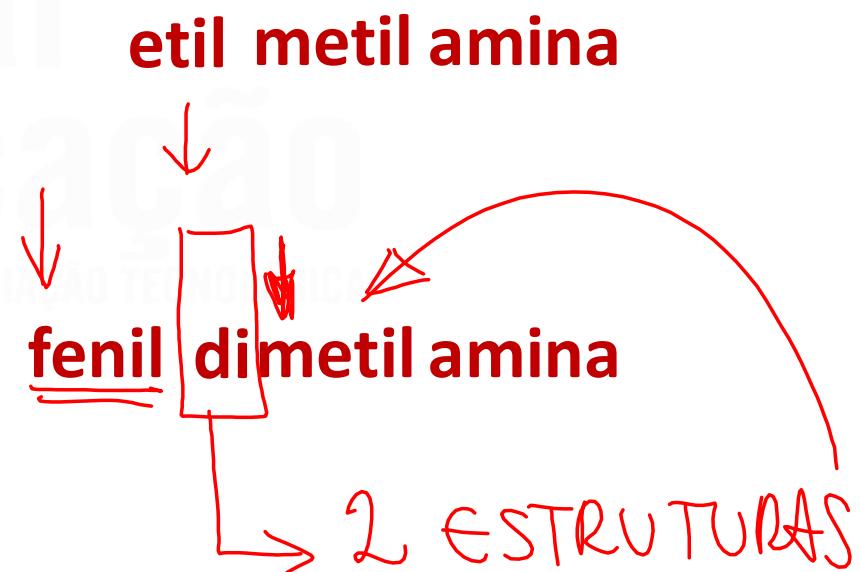
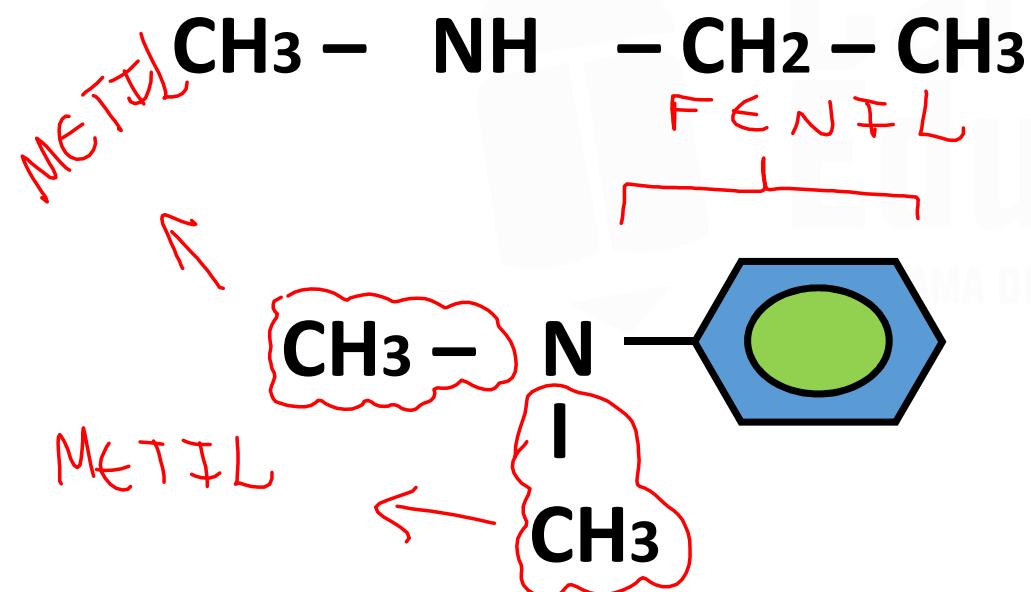


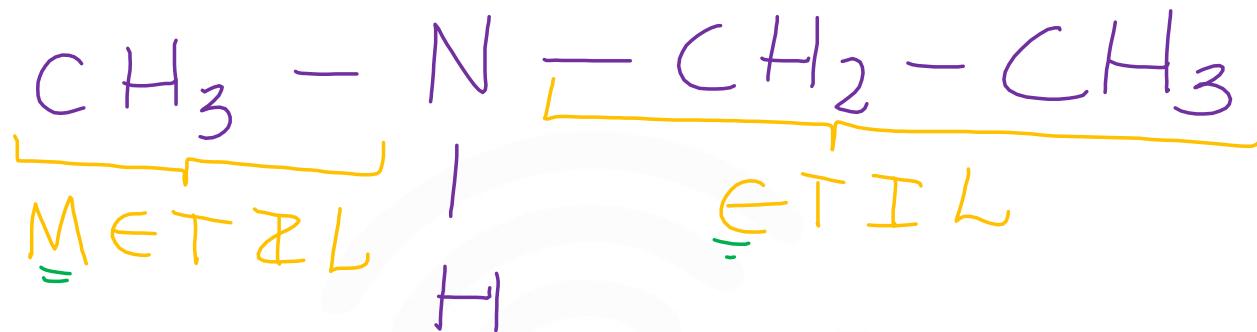
amina secundária



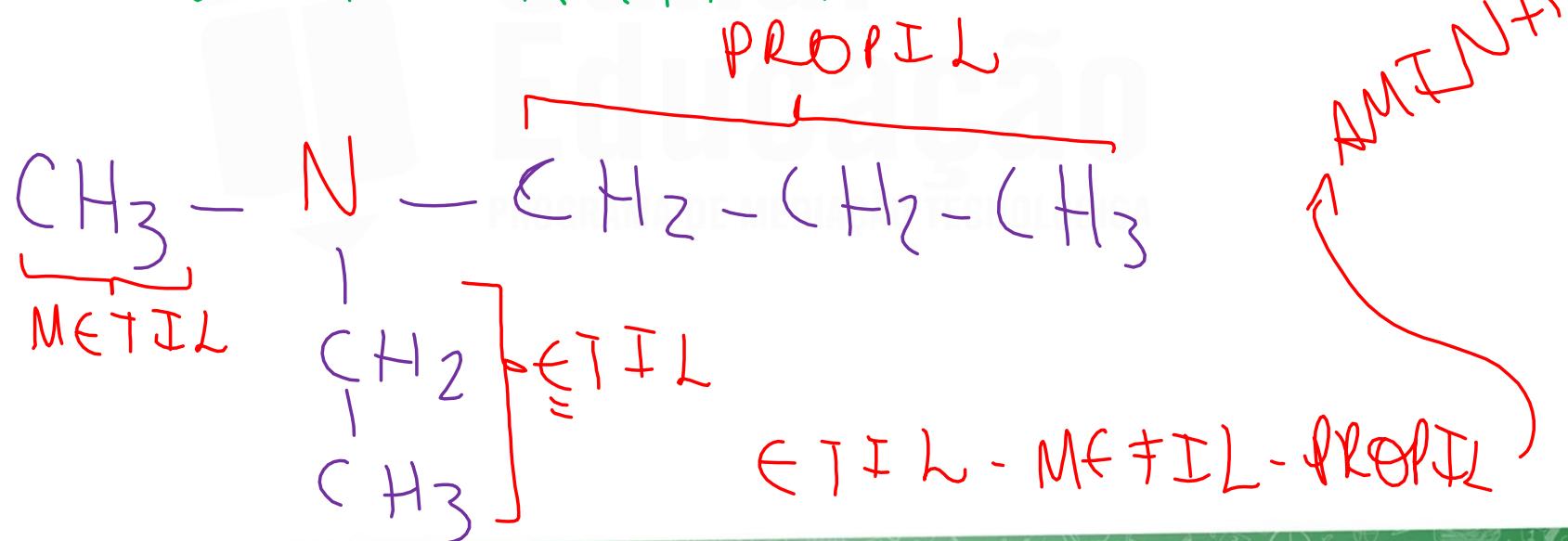
amina terciária

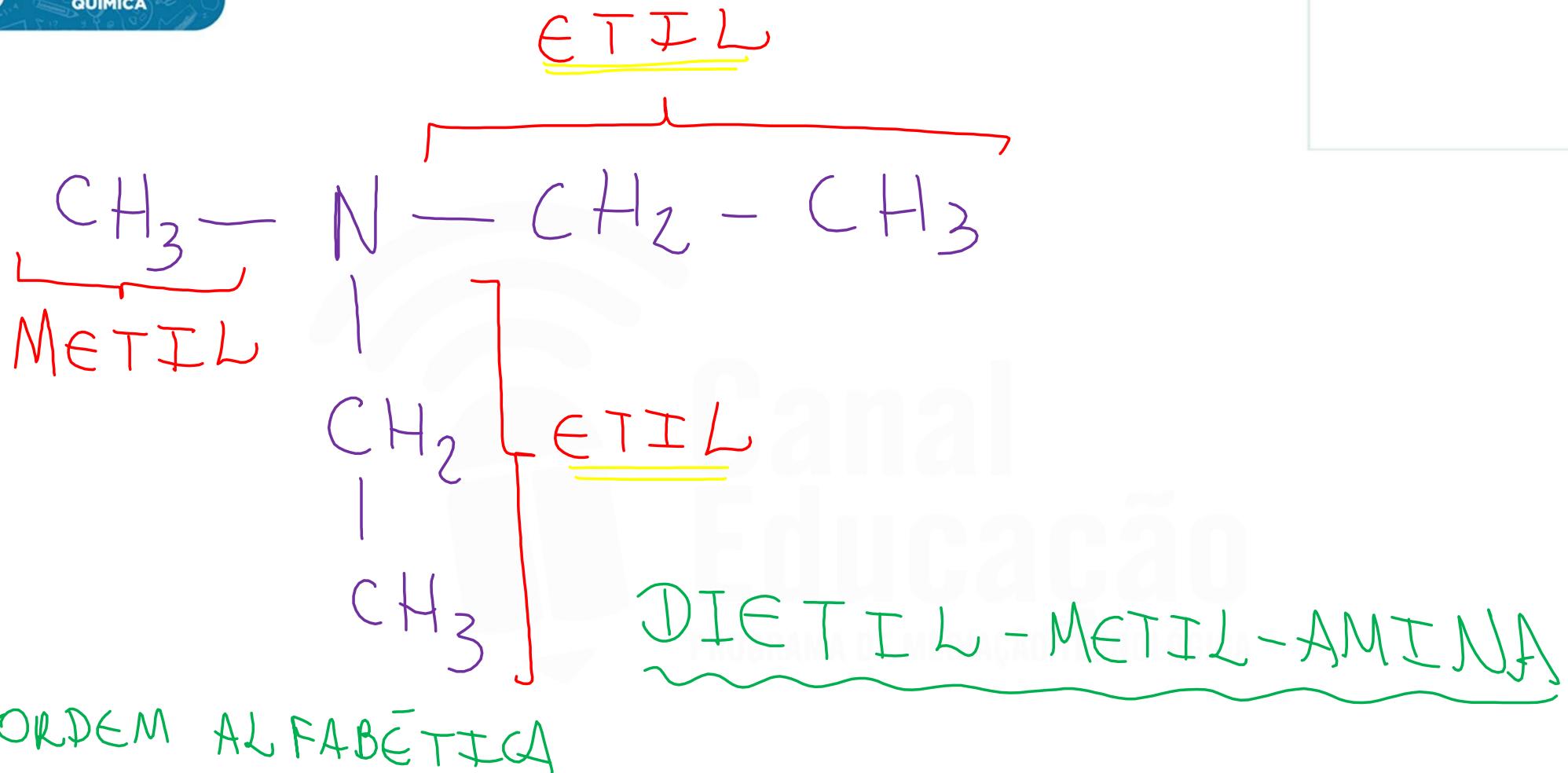
A nomenclatura IUPAC manda colocar a palavra AMINA após os nomes dos radicais





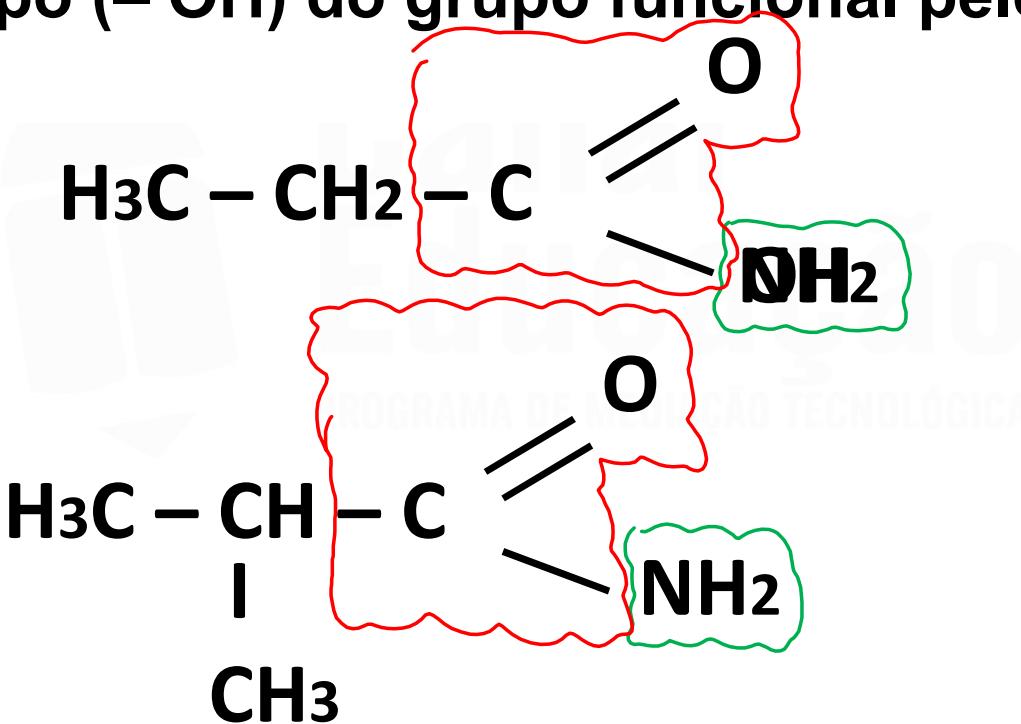
ETIL - METIL AMINA





AMIDAS PRIMÁRIAS

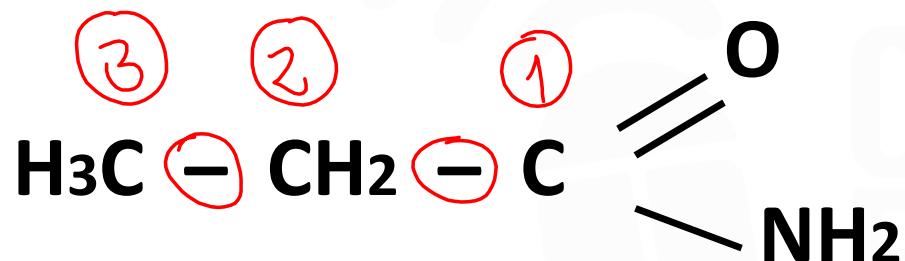
São compostos derivados dos ácidos carboxílicos pela substituição do grupo ($- \text{OH}$) do grupo funcional pelo radical ($- \text{NH}_2$)



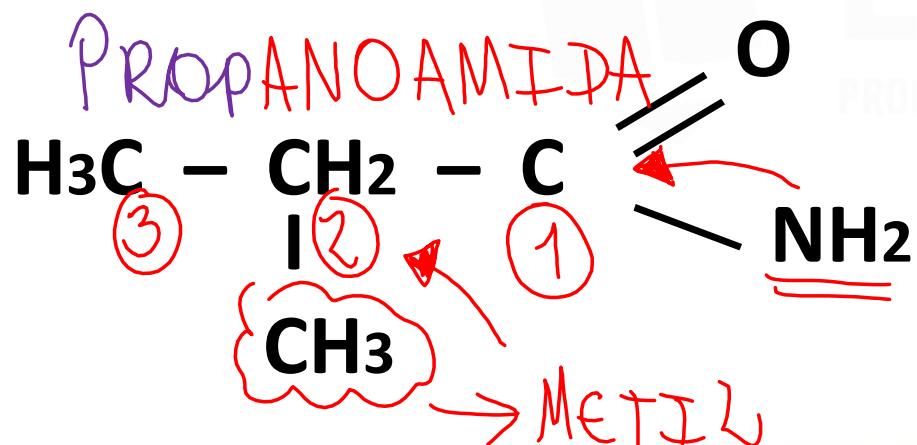
* 1C → MET * 3C → PROP

* 2C → ET * 4C → BUT

A nomenclatura IUPAC recomenda colocar a palavra AMIDA após o nome do hidrocarboneto correspondente



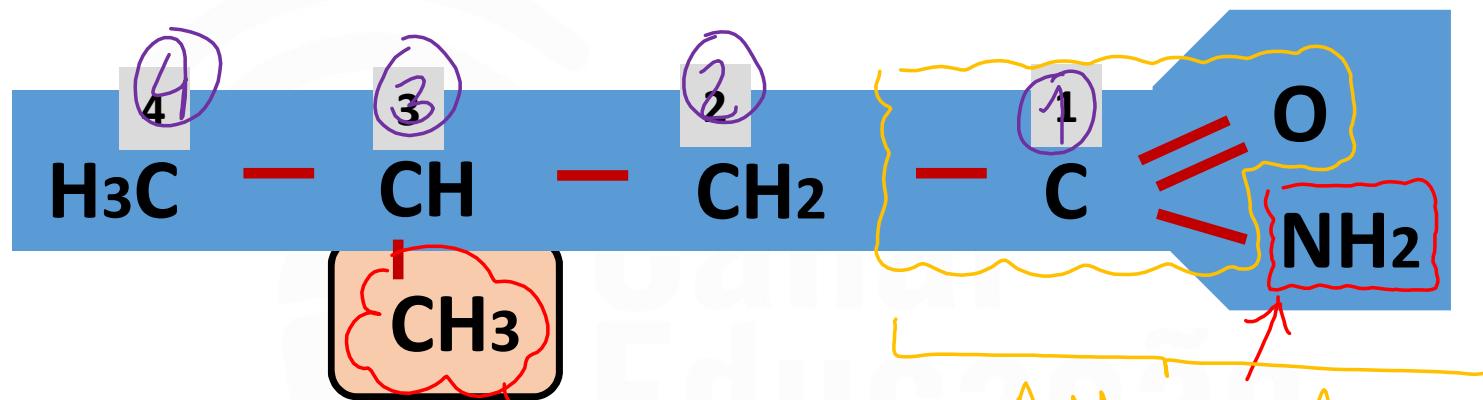
propanoamida



metil propanoamida

2-METIL - PROPANOAMIDA

01) Qual o nome da substância de fórmula representada abaixo?

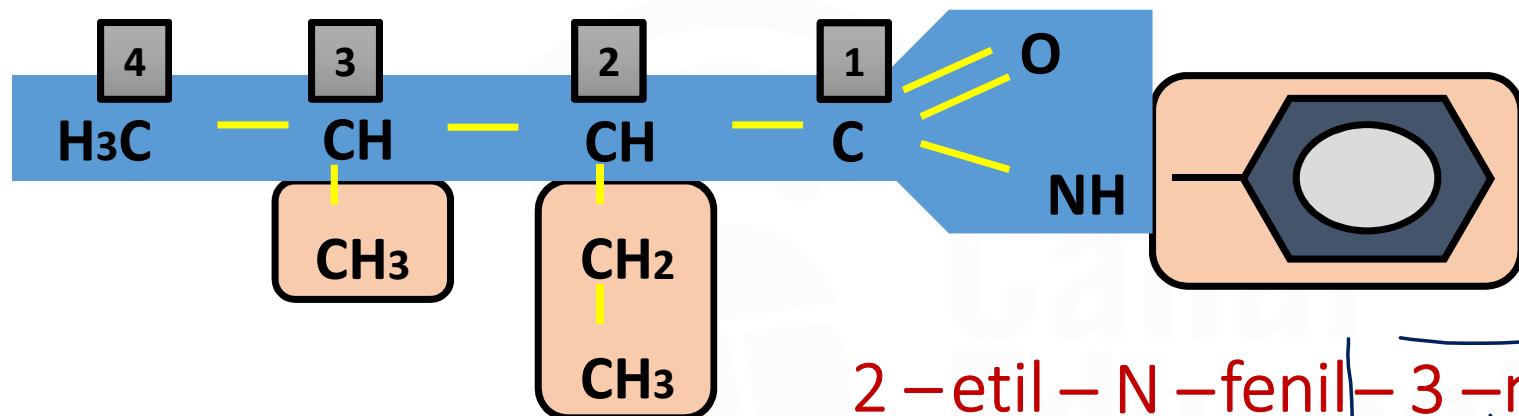


- a) 2 – metil – propil amina
- b) 2 – metil – propil amida
- c) pentanoamina
- d) pentanoamida
- e) 3 – metil butanoamida

METIL metil butanoamida

3 - METIL - BUTANO AMIDA

02) O composto cuja fórmula é citada abaixo se chama:



2 – etil – N – fenil – 3 – metil butano amida

- a) 2 – etil – 3 – metil butanoamidamida.
- b) 2 – etil - 3, 3 – dimetil butanoamida.
- c) 2 – etil – 1 – fenil – 3 – metil butanoamida.
- d) N – fenil – 2 – isopropil butanoamida.
- e) 2 – etil – N – fenil – 3 – metil butanoamida.

CASA