



EJA

CANAL SEDUC-PI5



PROFESSOR (A):

**JURANDIR
SOARES**



DISCIPLINA:

QUÍMICA



AULA Nº:

08



CONTEÚDO:

**FUNÇÕES ORGÂNICAS
OXIGENADAS**

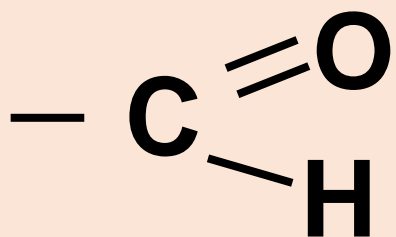


DATA:

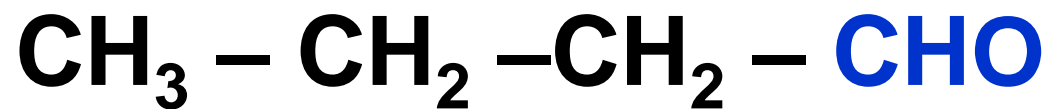
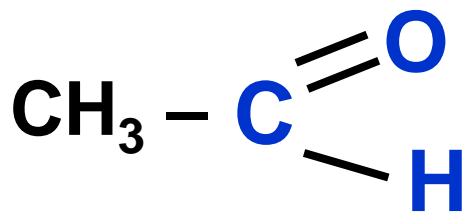
19/05/2020

ALDEÍDO

É todo composto orgânico que possui o grupo funcional denominado: **ALDOXÍLA OU METANOÍLA**

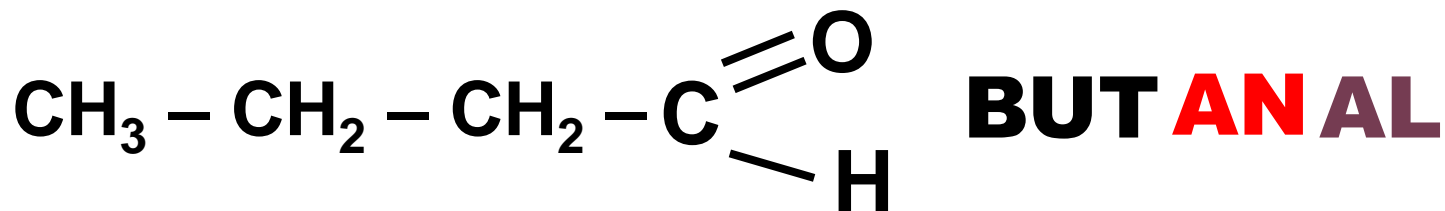
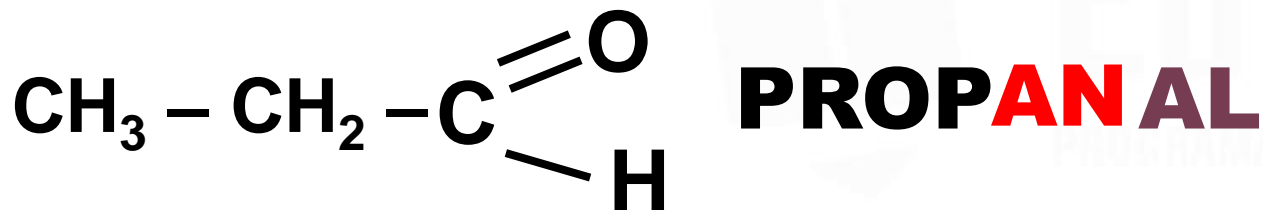
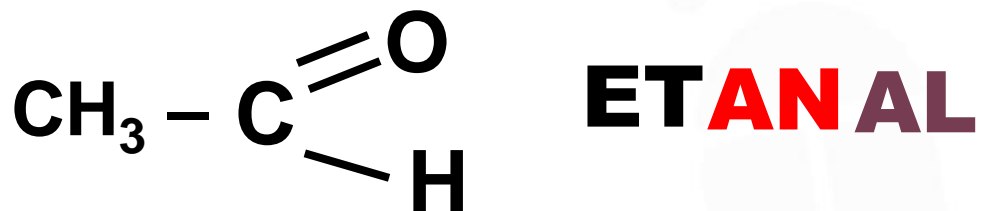


OU



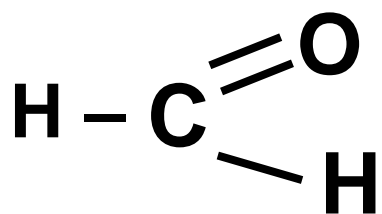
NOMENCLATURA OFICIAL

PREFIXO + INFIXO + AL

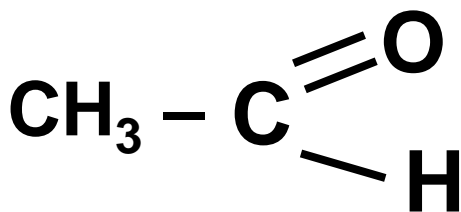


NOMENCLATURA USUAL

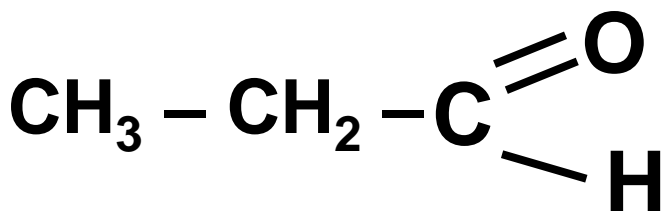
ALDEÍDO + NOME USUAL DO ÁC. CARBOXÍLICO CORRESPONDENTE



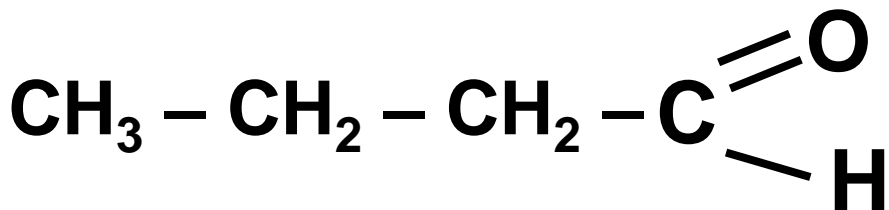
ALDEÍDO FÓRMICO



ALDEÍDO ACÉTICO

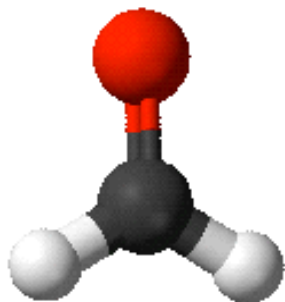
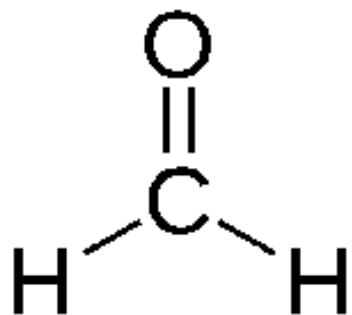


ALDEÍDO PROPIÔNICO

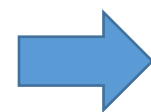


ALDEÍDO BUTÍRICO

DICA CANAL EDUCAÇÃO



METANAL



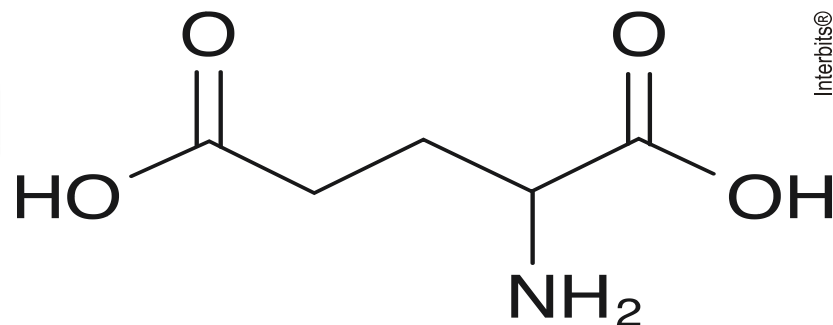
FORMALDEÍDO



FORMOL



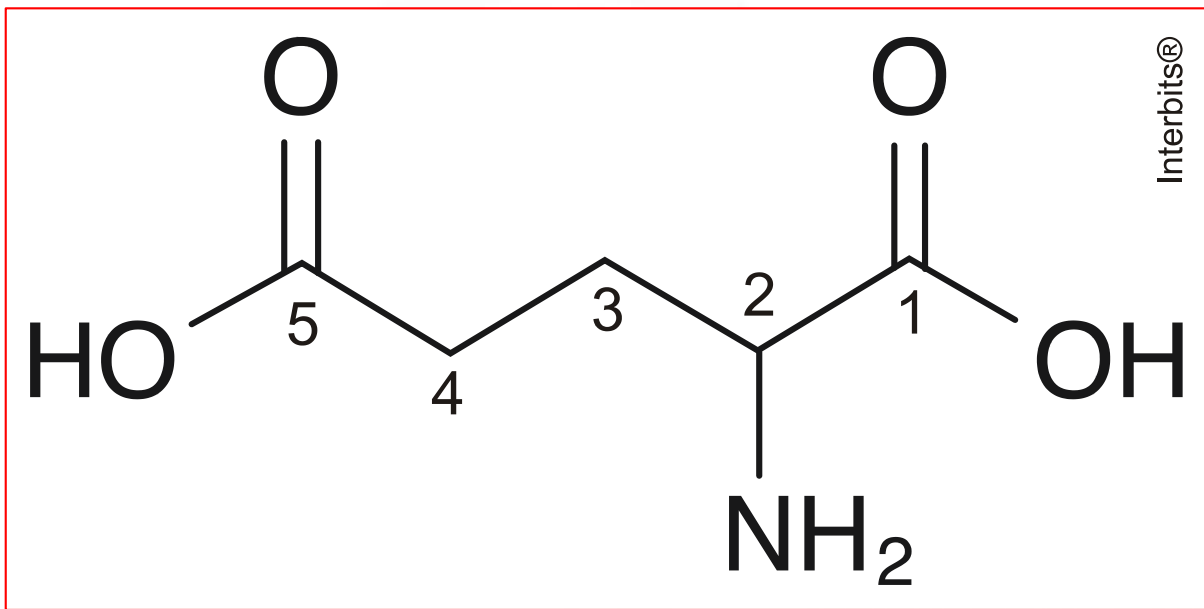
01. O ácido glutâmico é um dos aminoácidos codificados pelo código genético, sendo, portanto, um dos componentes das proteínas dos seres vivos. É um aminoácido não essencial. Sabendo que sua fórmula estrutural é:



assinale a alternativa que apresenta o nome do ácido glutâmico de acordo com a nomenclatura IUPAC.

- a) ácido 2-aminopentanodioico.
- b) ácido 4-aminopentanodioico.
- c) ácido 2-aminopropanodioico.
- d) ácido 4-aminopropanoico.
- e) 2-aminoácido propanoico.

Numerando a cadeia, teremos:

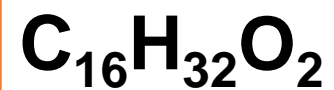
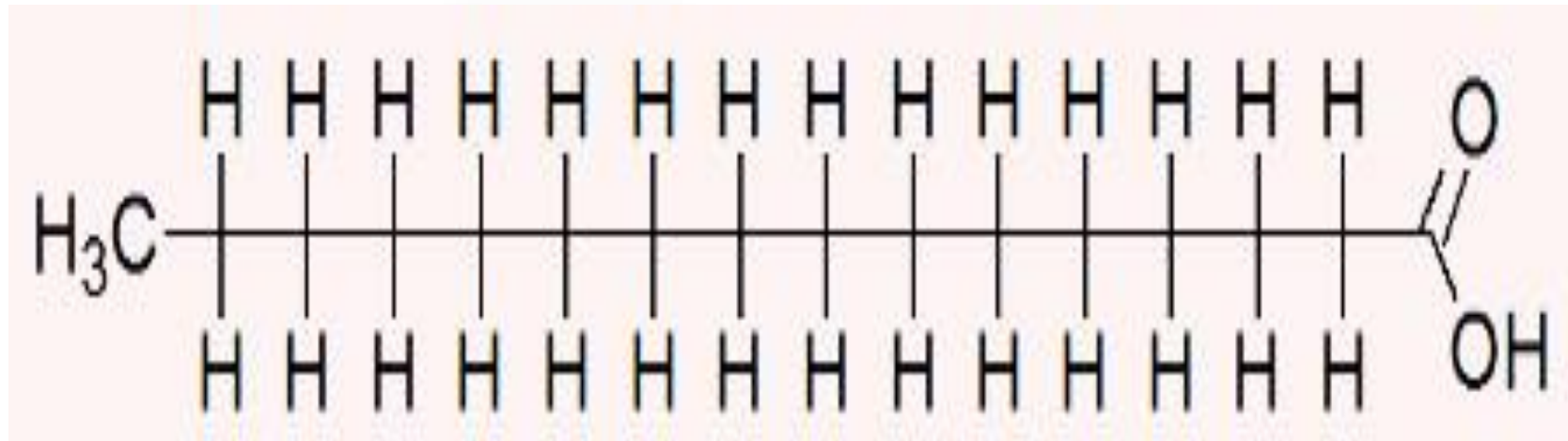


LETRA: A

02. Os ácidos graxos são ácidos monocarboxílicos de cadeia alifática. Nas gorduras saturadas, o ácido palmítico (ácido hexadecanoico), também conhecido como ácido hexadecanoico, é um dos principais ácidos graxos encontrados. Considerando-se o exposto, conclui-se que a fórmula molecular do ácido graxo citado é a seguinte:

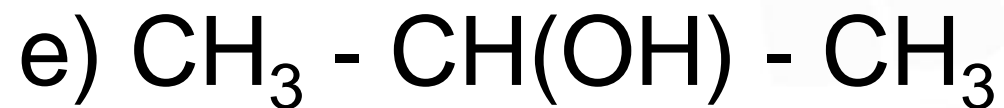
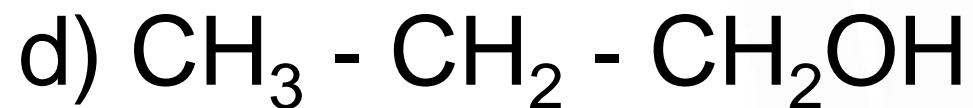
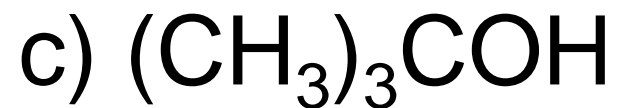
- a) $C_6H_{12}O_2$
- b) $C_6H_{10}O_2$
- c) $C_{16}H_{30}O_2$
- d) $C_{16}H_{32}O_2$

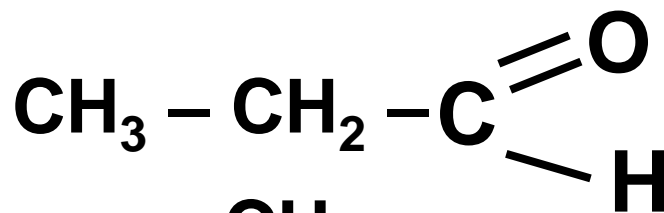
A fórmula estrutural é:



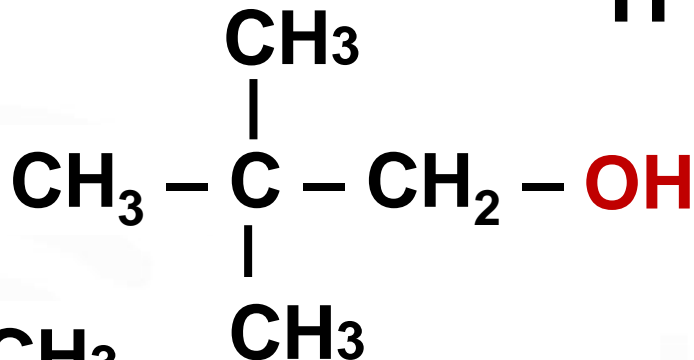
LETRA: D

03. Dentre as fórmulas a seguir, a alternativa que apresenta um álcool terciário é:

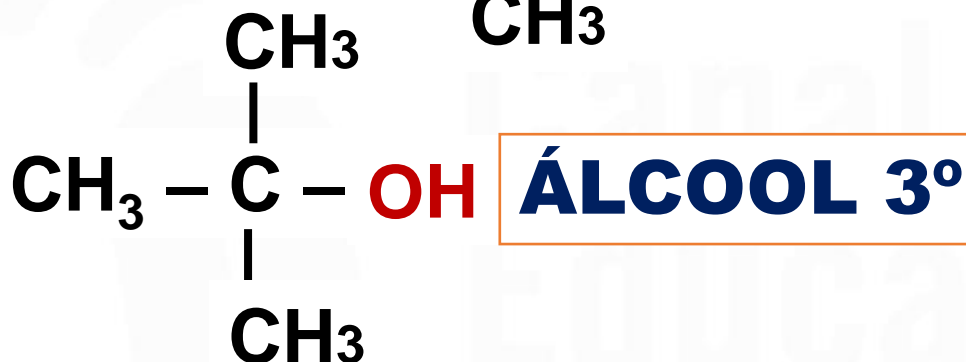
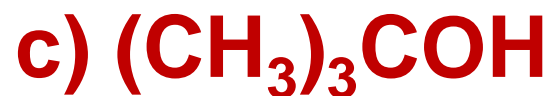




ALDEÍDO



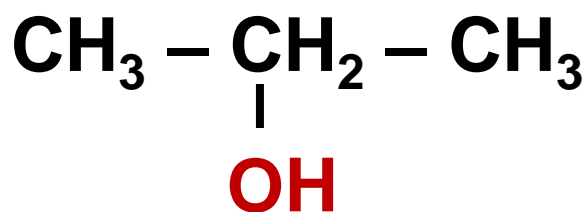
ÁLCOOL 1°



ÁLCOOL 3°



ÁLCOOL 1°



ÁLCOOL 2°