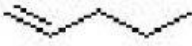
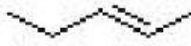
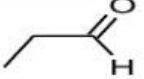
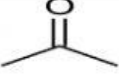
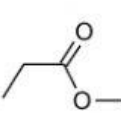
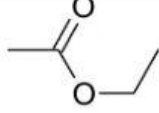
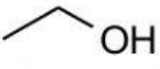
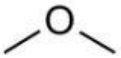
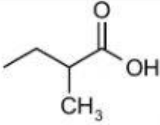
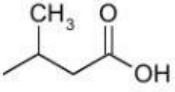
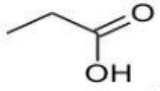
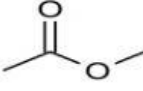


Escola/Colégio:	
Disciplina: QUÍMICA	Ano/Série:
Estudante:	

Aula 46 – Isomeria plana ou constitucional isomeria de cadeia e de posição.

* Identifique o tipo de isomeria plana colocando: (f) função, (c) cadeia, (p) posição, (m) metameria ou compensação) nos compostos a seguir:

a) $\begin{array}{c} \text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2 \\ \text{CH}_3-\text{CH}-\text{CH}_2-\text{CH}_3 \\ \\ \text{NH}_2 \end{array} \quad \text{e} \quad \boxed{\phantom{\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2}}$	b) $\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_3-\text{C}-\text{CH}-\text{CH}_2-\text{CH}_3 \\ \quad \\ \text{CH}_3 \quad \text{CH}_3 \end{array}$ e $\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_3-\text{C}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_3 \\ \\ \text{CH}_3 \end{array}$ $\text{I} \qquad \qquad \qquad \text{III}$ $\boxed{\phantom{\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2}}$
c) e $\boxed{\phantom{\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2}}$	d) $\text{CH}_3-\text{NH}-\text{CH}_2-\text{CH}_2-\text{CH}_3 \quad \text{e} \quad \text{CH}_3-\text{CH}_2-\text{NH}-\text{CH}_2-\text{CH}_3 \quad \boxed{\phantom{\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2}}$
e) $\begin{array}{c} \text{CH}_3-\text{CH}-\text{CH}_2-\text{NH}_2 \\ \\ \text{CH}_3 \end{array} \quad \text{e} \quad \text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2 \quad \boxed{\phantom{\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2}}$	f) $\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_3-\text{C}-\text{CH}-\text{CH}_2-\text{CH}_3 \\ \quad \\ \text{CH}_3 \quad \text{CH}_3 \end{array}$ e $\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_3-\text{C}-\text{CH}_2-\text{CH}-\text{CH}_3 \\ \quad \\ \text{CH}_3 \quad \text{CH}_3 \end{array}$ $\boxed{\phantom{\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2}}$
g) e $\boxed{\phantom{\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2}}$	h) e $\boxed{\phantom{\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2}}$
i) e $\boxed{\phantom{\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2}}$	j) $\text{H}_3\text{C}-\text{O}-\text{CH}_3 \quad \text{e} \quad \text{H}_3\text{C}-\text{CH}_2-\text{OH} \quad \boxed{\phantom{\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2}}$
l) $\text{H}_2\text{C}=\text{CH}-\text{CH}_3$ e $\begin{array}{c} \text{CH}_2 \\ / \quad \backslash \\ \text{H}_2\text{C}-\text{CH}_2 \end{array}$ $\boxed{\phantom{\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2}}$	m) $\begin{array}{c} \text{H}_2\text{C}-\text{CH}_2-\text{CH}_3 \\ \\ \text{OH} \end{array}$ e $\begin{array}{c} \text{H}_3\text{C}-\text{CH}-\text{CH}_3 \\ \\ \text{OH} \end{array}$ $\boxed{\phantom{\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2}}$
n) e $\boxed{\phantom{\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2}}$	o) 1-metóxi-propano éter metil-n-propílico e etóxi-etano éter etílico $\boxed{\phantom{\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{NH}_2}}$

p) $\text{H}_3\text{C}-\text{CH}_2-\text{CH}_2-\overset{\text{O}}{\parallel}\text{C}-\text{OH}$ I $\text{H}_3\text{C}-\text{CH}_2-\overset{\text{O}}{\parallel}\text{C}-\text{O}-\text{CH}_3$ II	q)  
r)  propanal  e propanona	s)  propanoato de metila  e etanoato de etila
t)  etanol  e metóxi-metano	u)  ác. 2-metil-butanóico  e ác. 3-metil-butanóico
v)  n-butano  e metil-propano	x)  ác. propanóico  etanoato de metila
z) $\text{H}_3\text{C}-\overset{\text{O}}{\parallel}\text{C}-\text{CH}_3$ $\text{H}_3\text{C}-\text{CH}_2-\overset{\text{O}}{\parallel}\text{C}-\text{H}$	z1) $\text{H}_3\text{C}-\overset{\text{O}}{\parallel}\text{C}-\text{O}-\text{CH}_3$ $\text{H}_3\text{C}-\text{CH}_2-\overset{\text{O}}{\parallel}\text{C}-\text{OH}$

