Nama :

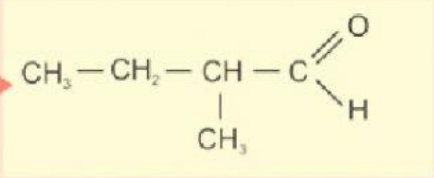
Kelas :

ALKANAL (ALDEHID)

A. Tata Nama

1. Beri nama IUPAC senyawa alkanal berikut!

a



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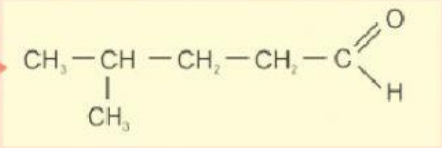

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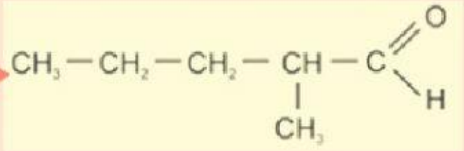

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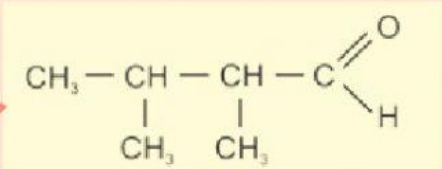

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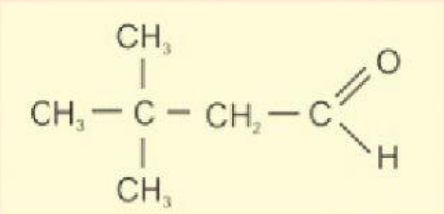
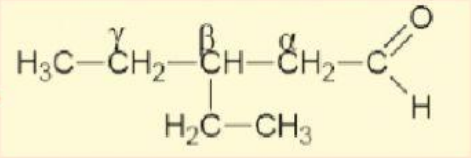
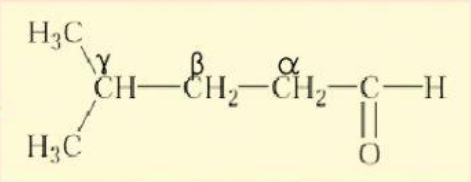


2. Beri nama Trivial senyawa Alkoksi Alkana berikut!

a



b

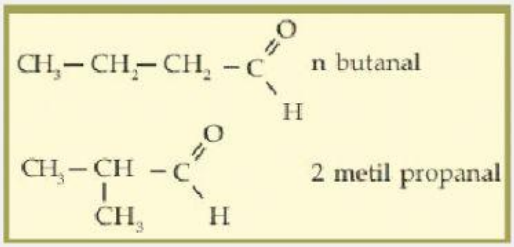


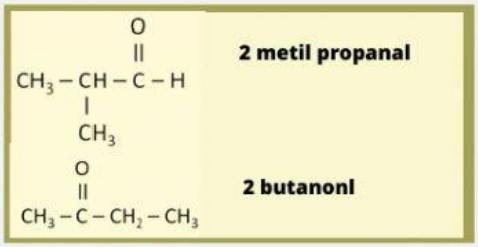
LIVEWORKSHEETS

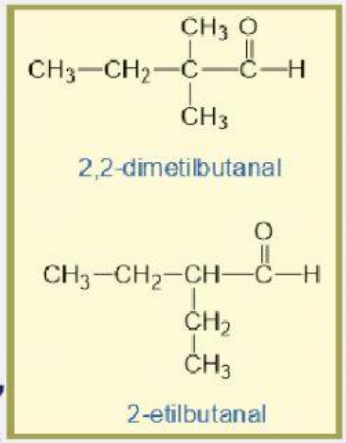
B. Isomer Alkanal

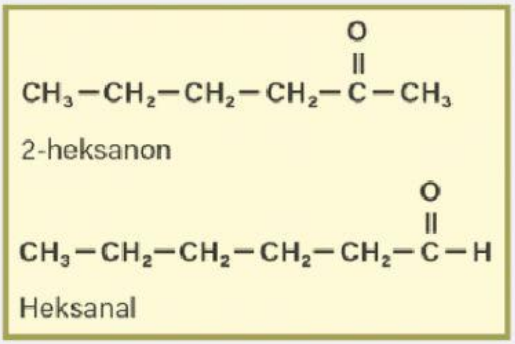
1. Isomer Rangka/rantai

2. Isomer Gugus Fungsi









LIVEWORKSHEETS

C. Sifat-sifat Alkoksi Alkana

1. Sifat Fisis

a.

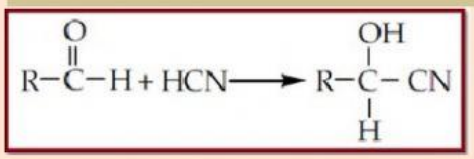
b.

c.

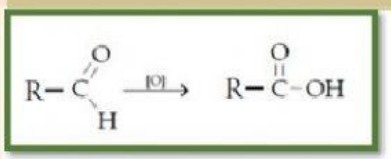
d.

2. Sifat Kimia

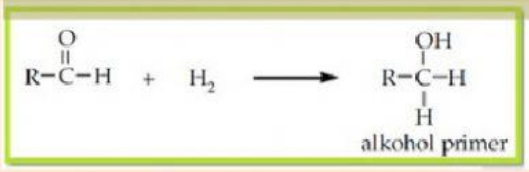
a.



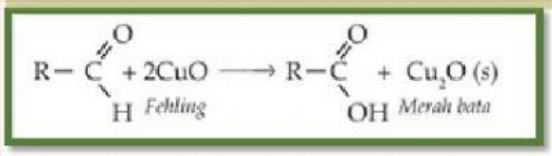
b.



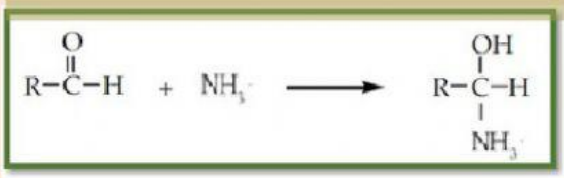
c.



d.



e.



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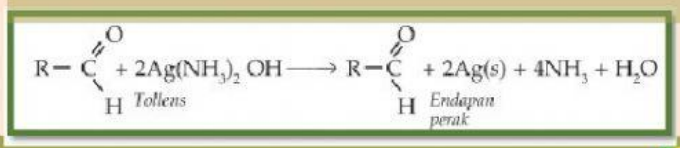

LIVEWORKSHEETS

D. Kegunaan Alkanal

Pasangkan senyawa eter berikut dengan kegunaannya

FORMALDEHID	ASETALDEHID

Pengawet mayat	Bahan membuat karet
Bahan membuat damar buatan	Bahan pembuatan sutra sintetis
Bahan untuk membuat alkohol	Bahan pembuatan pupuk
Bahan produk parfum dan kosmetik	Bahan membuat Asam Cuka

E. Pembuatan Alkanal

1.

$$H_3C - CH_2 - OH \xrightarrow{[O]} H_3C - \overset{\overset{O}{//}}{\underset{\underset{H}{\backslash}}{C}}$$

2.

$$\underset{OH}{\underset{|}{CH_2}} - \underset{OH}{\underset{|}{CH_2}} \xrightarrow{Pb(OCOCH_3)_4 \text{ atau } HIO_4} 2H - \overset{\overset{O}{\|}}{C} - H$$

3.

$$R - COONa + H - COONa \rightarrow R - CHO + Na_2CO_3$$

4.

$$R - CH = CH_2 + CO + H_2 \rightarrow R - CH_2 - CH_2 - CHO$$

LIVEWORKSHEETS