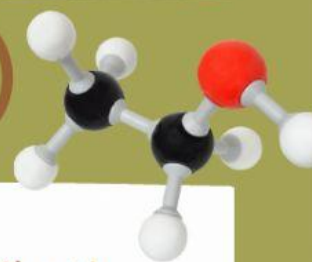


Nama :

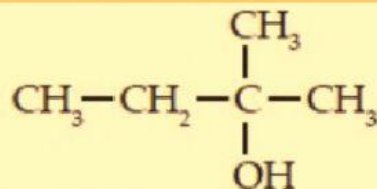
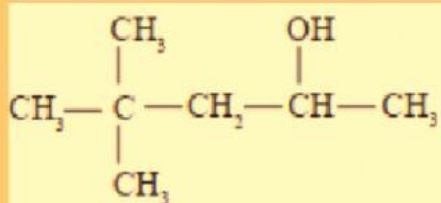
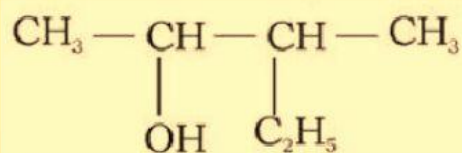
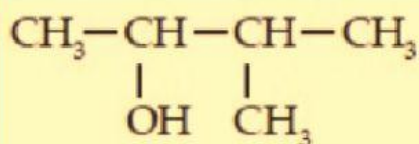
Kelas :

ALKANOL (ALKOHOL)



A. Tata Nama

1. Beri nama IUPAC senyawa alkohol berikut!



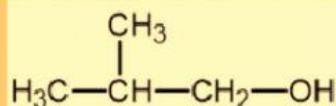
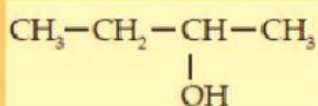
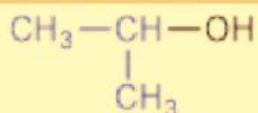
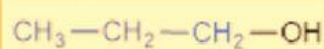
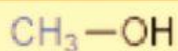
3-etil-2-butanol

2-metil-2-butanol

3-metil-2-butanol

4,4-dimetil-2-pentanol

2. Beri nama Trivial senyawa alkohol berikut!



etil alkohol

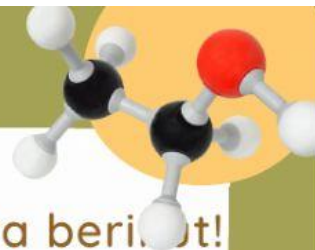
isobutil alkohol

sekbutil alkohol

propil alkohol

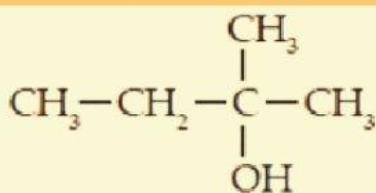
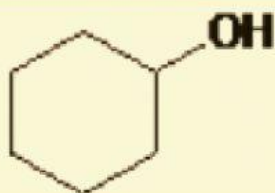
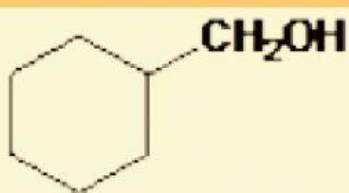
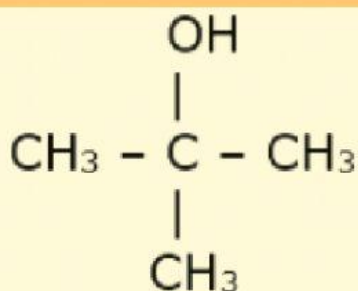
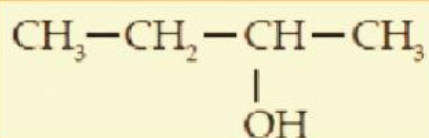
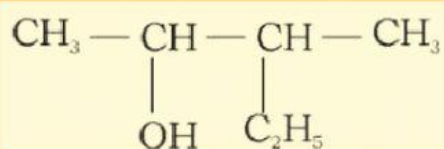
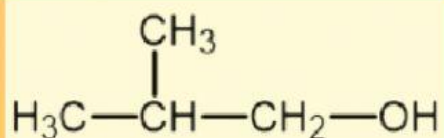
isopropil alkohol

metil alkohol



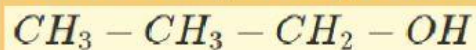
B. Jenis-Jenis Alkohol

Tentukan jenis alkohol dalam senyawa berikut!



C. Isomer Alkanol

1. Tentukan jenis pasangan isomer berikut



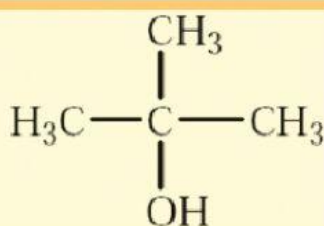
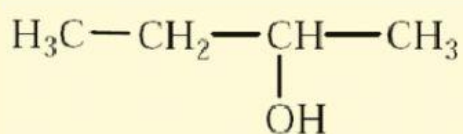
1-propanol



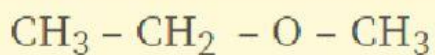
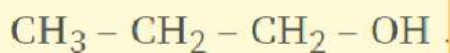
2-propanol



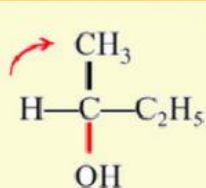
2. Tentukan jenis pasangan isomer berikut



3. Tentukan jenis pasangan isomer berikut

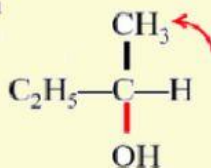


4. Tentukan jenis pasangan isomer berikut



D(+)-2- butanol

cermin

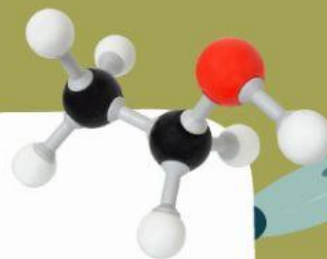


L(-)-2-butanol



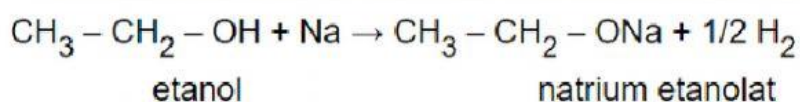
D. Sifat-Sifat Alkanol

1. Sifat Fisis Alkanol

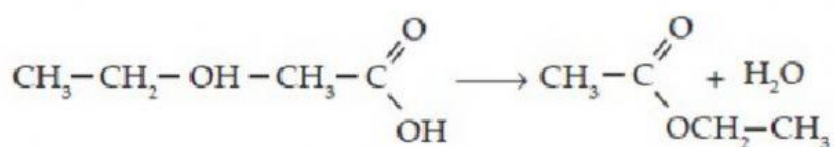


2. Sifat Kimia Alkanol

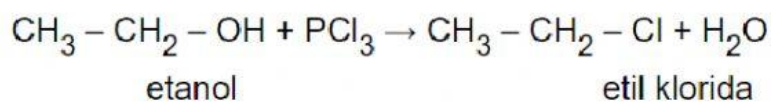
a.



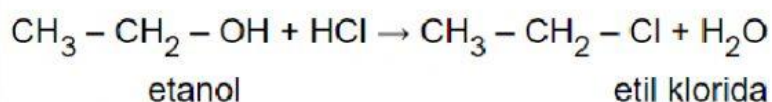
b.



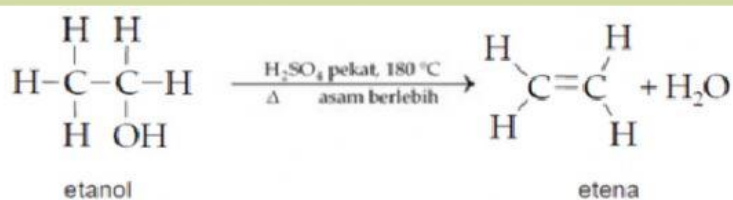
c.



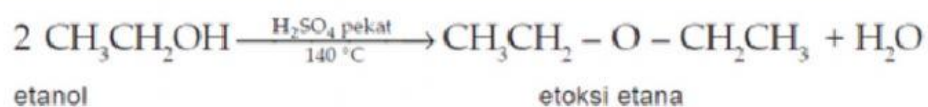
d.



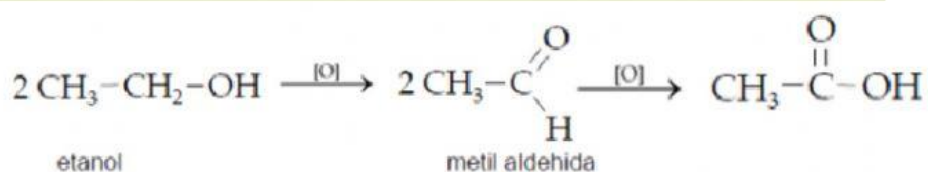
e.



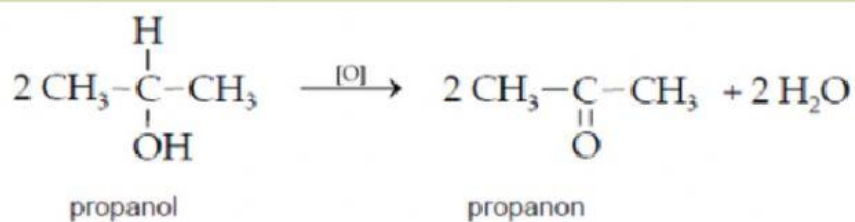
f.



g.



h.



Sifat Kimia Alkanol

E. Pembuatan Alkanol

Hitung dan tulis harga barang yang dibeli oleh masing-masing siswa kemudian tuliskan hasilnya pada tempat yang disediakan.

1. Metanol

fermentasi tetes
tebu/ karbohidrat

2. Etanol

oksidasi etana dengan
oksigen

3. Glikol

hasil samping pada
pembuatan sabun

4. Gliserol

hidrogenasi gas CO
pada suhu 400°C

E. Kegunaan Alkanol

1. Metanol

pelarut, desinfektan,
bahan pembuatan spirit

2. Etanol

pelarut obat-obatan, dan
bahan pembuat peledak

3. Glikol

zat anti beku pada
radiator mobil

4. Gliserol

pelarut, bahan pembuat
ester, serta bahan bakar