

Bab 4 : Polimer

- 1. Polimer
- 2. Getah Asli
- 3. Getah Sintetik

Soalan Famous

- 1. Formula struktur bg polimer.
- 2. Nama monomer / polimer.
- 3. Pers kimia seimbang.

Polimer

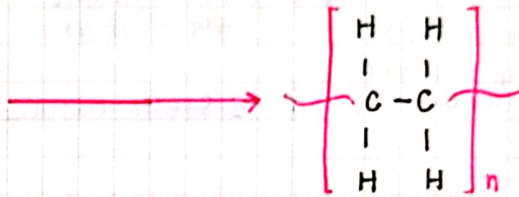
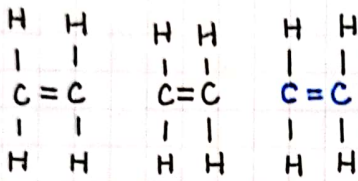
mampukan 3 weeks
1819 - misfano.

• CONTOH 1: polietena

monomer
etena, C_2H_4

Pempolimeran

polimer
polietena

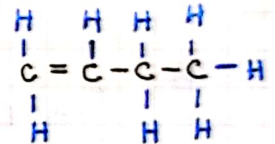


$n > 20$
(banyak)

monomer
propena

polimer
polipropena
@
polipena

butena, C_4H_8



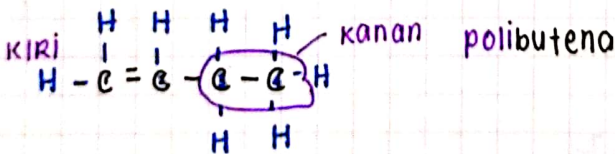
styrene

polistyrene @ polistrene

CONTOH 2

Monomer : Butena, C_4H_8

Soalan :

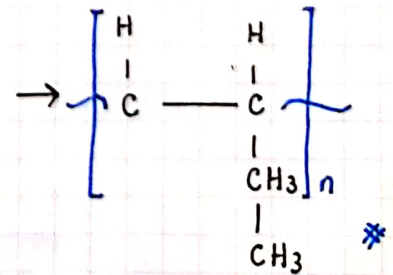
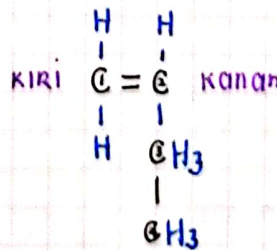


① Lukis Formula struktur bg polimer
y t hasil.

② Nama polimer.

Step Lukis

① Modified KIRI $\begin{array}{c} | & | \\ C = C \\ | & | \\ \text{kosong} & \text{kosong} \end{array}$ KANAN



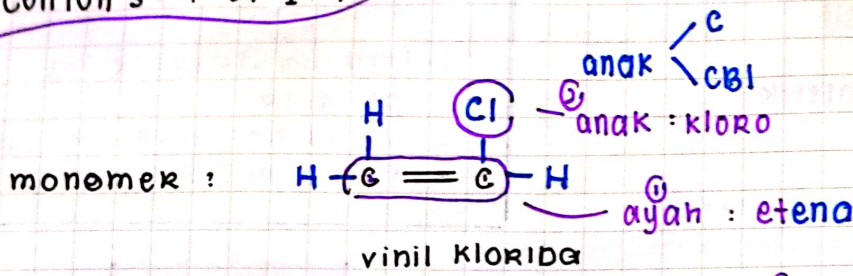
② Salin blk, buang $C=C$

③ Lukis ombak kiki kanan,
tutup kurungan, n.

polibutena.

CONTOH 3 : D. I. Y

step (nama IUPAC)



- 1) cari ayah
- 2) cari anak
- 3) Bil anak
- 4) Alamat anak

1) kloro
2) etena
3) kloroetena

Soalan : 8 marks

- | | |
|---|----------|
| 1. Nama polimer yg t'hasil | 1 markah |
| 2. Lukis formula struktur bg polimer t'hasil. | 3 markah |
| 3. Tulis p'samaan kimia bg t'libat. | 2 markah |
| 4. Nama t'libat yg t'libat. | 1 markah |
| 5. Nama monomer b'dsrn sistem IUPAC | 1 markah |

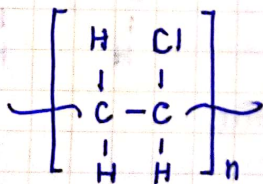
ANSWERS :

5) kloroetena

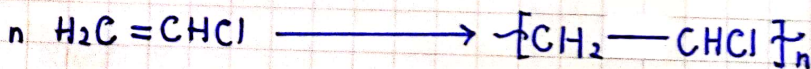
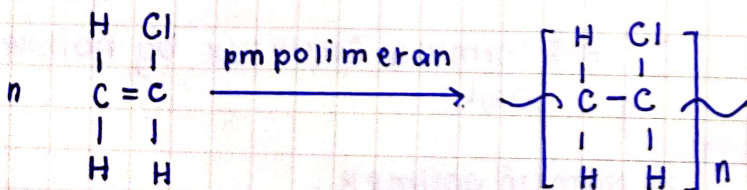
1) polivinilklorida , PVC

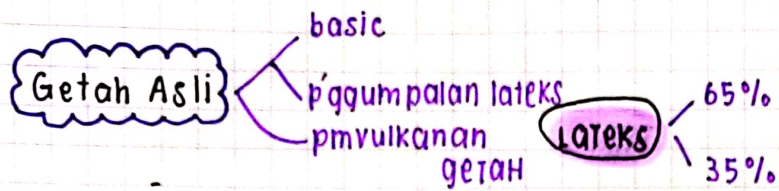
2)

4) Pempolimeran



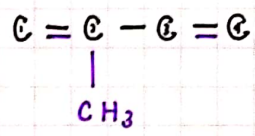
3) monomer



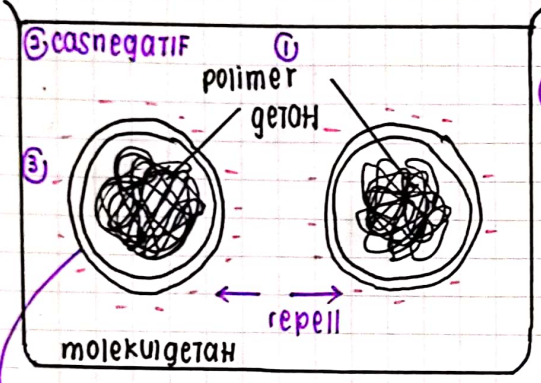


- merupakan polimer semula jadi
- polimer : poli isoprena
- Monomer : Isoprena @ 1-metil

but-1,3-diena



STRUKTUR MOLEKUL GETAH



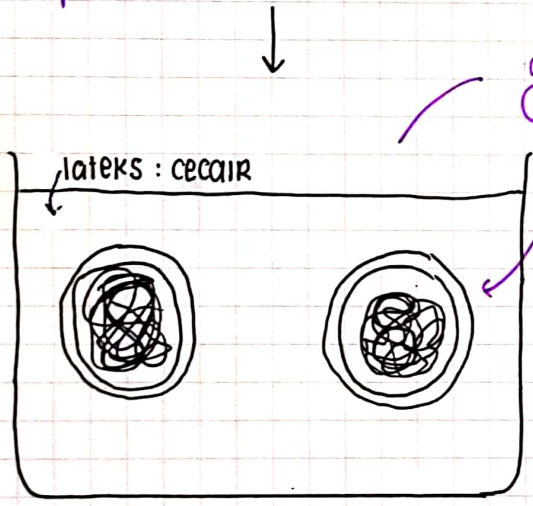
(keras)
pengumpul
ASID : H⁺



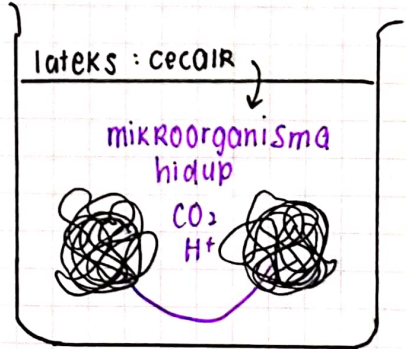
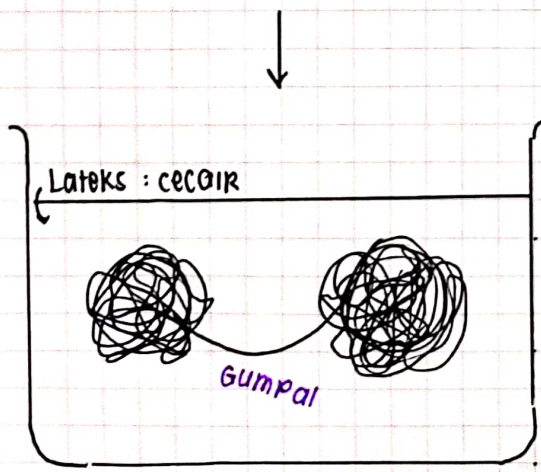
65% AIR
35% molekul getah

susu getah lateks

poliisoprena



asid :
H⁺, neutral



@ → semula jadi

tp lambat