

Video worksheet – addition and condensation polymerisation.

1. Consider the compound prop-2-enoic acid.

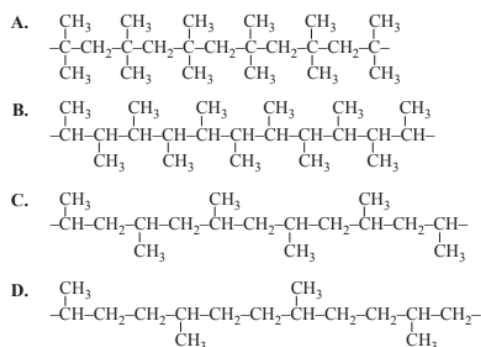
a. Draw the skeletal and structural formulae of this compound.

b. Prop-2-enoic acid can be used as a monomer to form a polymer known as poly acrylic acid (PAA). Draw the repeating unit of this polymer made of two monomers.

c. What type of reaction is used to form PAA?

2. Consider the addition polymerisation of $\text{CH}_3\text{CH}=\text{CHCH}_3$.

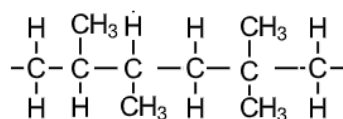
Which of the following options best shows a possible structure of the resulting polymer?



3. Consider a small section of a polymer shown below.

a. What monomers were used to form this polymer.

b. Draw the structural formula of each monomer.



4. Consider a small section of a polymer shown below.

a. What monomer/s was/were used to form this polymer.

b. Draw the structural formula of each monomer.

