

UNIT 6 – ACTIVITY 1 – QUIZ

Which of the following is not a characteristic trait of polymer materials?

- A. Low density
- B. Resistant to chemical attack
- C. Low cost
- D. Relatively high strength

ANSWER: D

The number of repeating units in a polymer is known as?

- A. Monomer
- B. Degree of polymerization
- C. Molecule
- D. Chain

ANSWER: B

Which of the following polymers contains –C–C– linkages only?

- A. condensation polymers
- B. copolymers
- C. addition polymers
- D. none of the mentioned

ANSWER: C

A polymer made of identical monomer units is called?

- A. Homopolymer
- B. Linear polymer
- C. Copolymer
- D. Branched polymer

ANSWER: A

Liquid or gas polymers having short chains and low molecular weights are known as?

- A. High-polymers
- B. Homopolymers
- C. Copolymers
- D. Oligo-polymers

ANSWER: D

Which of the following types of polymers is a copolymer?

- A. Graft
- B. Network
- C. Linear
- D. Branched

ANSWER: A

Which of the following is not a stage of addition polymerization?

- A. Initiation
- B. Propagation
- C. Termination

D. Recrystallisation

ANSWER: D

Addition of different types of monomers to form polymer chains is known as?

A. Chain reaction polymerization

B. Copolymerization

C. Combination

D. Disproportionation

ANSWER: B

What is the rate of growth of chains in condensation polymerization?

A. 10 to 100 seconds

B. 10 minutes

C. Hours or days

D. Weeks

ANSWER: C

Wood flour and silica flour are examples of?

A. Fillers

B. Plasticizers

C. Stabilizers

D. Lubricants

ANSWER: A

Which polymer additives are added to improve flexibility?

A. Lubricants

B. Plasticizers

C. Stabilizers

D. Reinforcements

ANSWER: B

Which of the following is an example of a stabilizer?

A. Benzophenon

B. Polyvinyl chloride

C. Titanium dioxide

D. Antimony oxide

ANSWER: A

The optical opacity of a polymer can be controlled by using?

A. Stabilizers

B. Colorants

C. Flame retardants

D. Reinforcements

ANSWER: B

Which of the following is a property of thermosetting plastics?

A. Can be moulded

B. Soft

- C. Recyclable
- D. Can be used at high temperatures

ANSWER: D

Carbon fiber is an example of?

- A. Filler
- B. Stabiliser
- C. Reinforcement
- D. Flame retardant

ANSWER: C

How does the crystallinity of a polymer affect its strength?

- A. Increases with increase in crystallinity
- B. Increases with decrease in crystallinity
- C. Decreases with increase in crystallinity
- D. No effect

ANSWER: A

How is the hardness of an elastomer measured?

- A. Indentation test
- b. Brinnell' s hardness test
- C. Rockwell hardness test
- D. Shore durometer

ANSWER: A

What is added for the vulcanization of rubber?

- A. Nitrogen
- B. Sulphur
- C. Carbon monoxide
- D. Particulate matter

ANSWER: B

Which of the following is a reinforcement filler?

- A. Carbon black
- B. China clay
- C. Barium sulphate
- D. Chalk

ANSWER: A

Thermosetting plastics are formed by?

- A. addition polymerization
- B. copolymerization
- C. condensation polymerization
- D. isomerism

ANSWER: C