

Multiple Choice Answers

Q37: D

Multiple Choice Answers

Q35: D

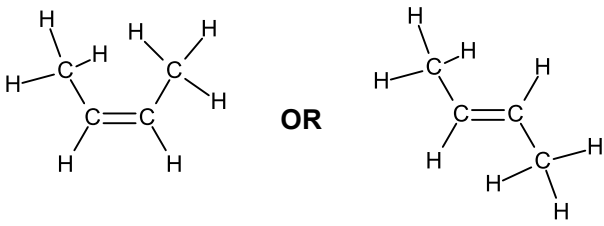
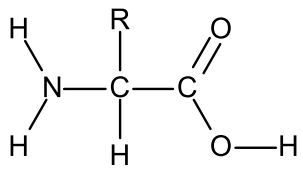
Q38: B

Multiple Choice Answers

Q38: D

6(a)	correctly circled ester link (including 2 C atoms and 2 O atoms)
6(b)	ethyl butanoate
6(c)	C ₃ H ₆ O
6(d)(i)	M1 butanoic acid M2 ethanol
6(d)(ii)	acid
6(e)	4
6(f)	2C ₅ H ₁₀ O ₂ + 13O ₂ → 10CO ₂ + 10H ₂ O

6(a)	M1 C 50(.00) ÷ 12 H 5.56 ÷ 1 O 44.44 ÷ 16 OR 4.17:5.56:2.78 M2 fractions shown dividing all by smallest OR 1.5:2:1 OR 3:4:2 M3 C ₃ H ₄ O ₂
6(b)	C ₄ H ₄ O ₄
6(c)(i)	water
6(c)(ii)	acid
6(c)(iii)	M1 propanoic acid M2 butan-1-ol
6(d)(i)	addition
6(d)(ii)	polymers are of indefinite length
6(d)(iii)	3 / three

6(d)(iv)	M1 C = C M2 displayed formula of but-2-ene 
6(e)(i)	 M1 –NH₂ displayed M2 –COOH displayed functional groups can be on either side
6(e)(ii)	one circle around either amide linkage
6(e)(iii)	proteins

Multiple Choice Answers

Q14: D

Q36: D

Multiple Choice Answers

Q33: C