

Multiple Choice Answers

Q34: A

Q35: D

Multiple Choice Answers

Q36: A

Multiple Choice Answers

Q35: C

Q36: D

3(a)(i)	A denitrification ; B nitrification ;
3(a)(ii)	<i>any two from:</i> lightning ; bacteria ; AVP ;
3(a)(iii)	ammonia / ammonium (ions) ;
3(a)(iv)	liver ;
3(a)(v)	removal of nitrogen containing part (of amino acids / protein) ; urea is formed ;
3(b)	greenhouse effect ; rice ; carbon dioxide ; photosynthesis ; burning / combustion ;
3(c)	<i>any six from:</i> 1 untreated sewage / fertiliser / nutrients ; 2 increased availability of nitrates / ions / AW ; 3 causing algal bloom / algae reproduction ; 4 algae reduce (penetration of) sunlight (in the water) / AW ; 5 (so rooted) plants unable to photosynthesise ; 6 so plants die ; 7 bacteria, decompose / feed, on dead, plants or algae ; 8 so bacterial populations increase ; 9 bacteria respire aerobically ; 10 bacteria use up the oxygen in the water ; 11 organisms / fish , die / suffocate / migrate, due to lack of oxygen ;

Multiple Choice Answers

Q37: C

Multiple Choice Answers

Q37: D

Multiple Choice Answers

Q35: B