

4(a)	1 mutation ; 2 horizontal transmission / conjugation / transformation / transduction ;
4(b)	<i>idea of</i> tracking, mutations / resistance genes / resistance alleles or identifies mechanisms of resistance or (informed) choice / production, of antibiotic ;
4(c)	<i>any three from:</i> 1 streptomycin is selection pressure ; 2 bacteria with, mutation / resistance, survive / reproduce / have a selective advantage ; ora 3 allele / gene, for resistance passed on ; 4 directional selection ;