

Question Number	Answer	Mark
2 (a)	<ol style="list-style-type: none"> 1. non-identical twins are genetically different / eq ; 2. identical twins {are genetically the same / have the same genotype / same genes / same alleles ; 3. so difference (in height / mass / phenotype) is due to {environment / named environmental factor / eq} ; 4. greater difference in traits for non-identical twins / eq ; 5. idea of difference due to genetic effects e.g. genes have a bigger effect ; 	maximum (3)

Question Number	Answer	Mark
2 (b)(i)	<ol style="list-style-type: none"> 1. (laboratory) rats of reduced genetic variability / eq ; 2. rats have {a similar / well known} metabolism ; 3. no harm to human / eq ; 4. idea of looking for potential {toxicity / adverse effect / eq} ; 5. ref to legal / ethical issues ; 	maximum (2)

Question Number	Answer	Mark
2 (b)(ii)	<p>Phase 1:</p> <ol style="list-style-type: none"> 1. idea of drug tested on {a small number / healthy} individuals ; 2. ref to low concentration / monitor safety / eq ; <p>Phase 2:</p> <ol style="list-style-type: none"> 3. idea that drug tested on small number of patients ; 4. monitor effectiveness of treatment / eq ; 	<p>maximum (3)</p>