# 2.4 Review Questions Possible Answers

(Remembering and Understanding only)

* 1. A section of DNA with instructions to build a protein
	2. One version of a gene
	3. The same allele in both chromosomes
	4. Different allele in each chromosome
	5. A change to the DNA sequence
1. 1. Allele
	2. Dominant trait
	3. Recessive
	4. Homozygous
	5. Mutagen
2. 1. 23
	2. 46
	3. 46
	4. 23
3. By which sex chromosomes are present (XX = female, XY = male)
4. Genes that are on the X or Y chromosome
5. All the childrens’ chromosomes are copies from their parents, so they will only have alleles that one or both parents had. But there are many genes and the parents have a lot of different alleles so there is not much chance of two children getting the same alleles for all their genes.