2.5.6. Genetic Inheritance

Self Assessment

Where is your learning at?

Green: I know it all
Orange: I have some idea – check the answers
Red: I need to start studying this section

	Can You	Green	Orange	Red
1	Define gamete			
2	Outline gamete formation			
3	Give the function of gametes in sexual reproduction			
4	Define fertilisation			
5	Define allele			
6	Differentiate between the terms homozygous and heterozygous.			
7	Differentiate between genotype and phenotype			
8	Differentiate between dominant and recessive			
9	Define incomplete dominance			
10	Show the inheritance to the F_1 generation in a cross involving Homozygous parents (Show the genotypes of parents, gametes and offspring)			
11	Show the inheritance to the F_1 generation in a cross involving Heterozygous parents (Show the genotypes of parents, gametes and offspring)			
12	Show the inheritance to the F_1 generation in a cross involving Sex determination XX x XY (Show the genotypes of parents, gametes and offspring)			

2.5.10.H - 13.H Mendelian Genetics

Self Assessment

Where is your learning at?

Green: I know it all
Orange: I have some idea – check the answers
Red: I need to start studying this section

	Can You	Green	Orange	Red
1	Describe the work of Gregor Mendel leading to the expression of his findings in two laws			
2	State the Law of Segregation			
3	Explain the Law of Segregation			
4	State the Law of Independent Assortment			
5	Explain the Law of Independent Assortment			
6	Show the inheritance to the second filial generation (F2) of two unlinked traits using the Punnet square technique			
7	Define linkage			
8	Explain the change in 1:1:1:1 probability for a dihybrid heterozygote crossed with a dihybrid recessive organism. (Knowledge of crossing over is not required).			
9	Explain sex linkage of genes			
10	Give examples of common sex linked traits			
11	Explain non nuclear inheritance			