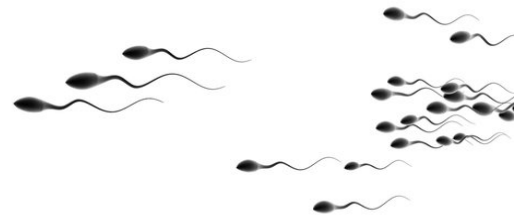


Unit Overview – Genes 2

Target grade for tests:

You will learn about:

- Variation
- Evolution
- inheritance



You will be able to:

- Examine consequences, critique claims and justify opinions.

Key learning points		Key Words
Describe the causes of variation within a population		Variation
Explain the factors that cause competition		Population
Explain Darwin’s work on natural selection, including extinction and evolution		Competition
Describe the importance of biodiversity		Evolution
Describe the consequences of a lack of biodiversity		Extinction
Describe what the gene bank and the human genome project		Adaptation
Describe the mechanisms for inheritance		Survive
Explain the process of fertilisation in terms of genetics		Breed
Draw genetic cross diagrams for monohybrid crosses		Biodiversity
Describe the process and evaluate the idea of genetic modification		Gamete
Skill: examine consequences		Fertilisation
Skill: critique claims		Gene
Skill: justify opinions		Allele
Links to other subjects:		Dominant
SMSC		Recessive
<ul style="list-style-type: none"> • Analyse advice given to pregnant women. • Consider the causes of and treatments for low fertility. 		Inheritance
Numeracy		Fertilisation
<ul style="list-style-type: none"> • Plot bar charts and line graphs to show discontinuous and continuous variation. 		Ovary
Literacy		Testicle
<ul style="list-style-type: none"> • Persuasive writing around lifestyle choices for pregnant women. 		Ovum
		Sperm
		DNA
		Chromosome
		Punnet square