## End of Topic Review - Part 2



## Put the stages of protein synthesis in the correct order

- A protein chain forms as more amino acids are added
- Carrier molecules bring specific amino acids to join together
- A group of 3 DNA bases codes for one amino acid
- When the protein chain is complete it folds up to form a unique shape

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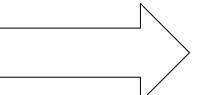
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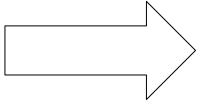




 Tall pea plants (T) are dominant over short pea plants (t). Draw a Punnett square to show the probability, as a percentage, of the F1 generation being tall.



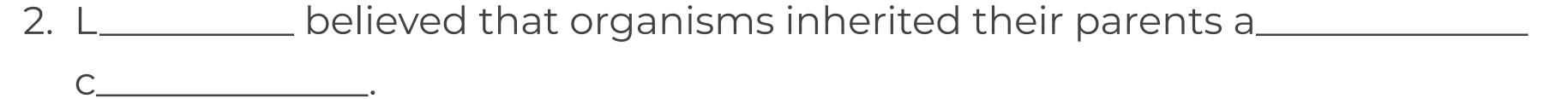
 Draw a Punnett square to show the probability, as a percentage, of the F2 generation being tall.



 If there were 1000 offspring in the F2 generation, how many would you expect to be tall?



7.	Evolution is the change in the i	_ C	of a p
	over time.		







## Steps of speciation: correct the mistakes!

	There is geological separation  Correction:
7.	There are similar environmental conditions  Correction:
7.	Adaptations lead to new alleles  Correction:
	The best adapted in each area survive, breed and pass alleles onto parents Correction:
7.	Speciation (population can no longer breed to produce infertile offspring) Correction:



A fertilised embryo is separated and transferred to host mothers

A part of a plant's leaf, stem or root is removed and grown separately

The genetic material is removed from a cell and transferred to an empty embryo, and is given an electric shock to divide

Cells are taken from the plant and grown on agar

**Cuttings** 

**Tissue cultures** 

**Embryo transplant** 

Adult cell cloning

