

# DNA NOTES

## DNA

- Deoxyribonucleic Acid
- found in nucleus of cell
- chromosomes are made of DNA

## STRUCTURE

- twisted ladder shape  
(DOUBLE HELIX)
- sides of ladder are made of sugar and phosphate groups
- rungs or steps are made of nitrogen bases:  
ADENINE (A)  
THYMINE (T)  
GUANINE (G)  
CYTOSINE (C)
- Adenine pairs with Thymine  
A - T      T - A
- Guanine pairs with Cytosine  
G - C              C - G

## FUNCTION

- copies itself (REPLICATION)  
during cell division (**mitosis**)
- DNA codes proteins which control  
all cellular activities