





















Molecular Genetics

- Replication
 - Precisely copying <u>all</u> the genetic information (DNA)
 S-stage of cell cycle
 - Exact replicas passed to daughter cells
- Gene Expression
 - Using a <u>specific bit</u> of the genetic information
 - Make a "working copy" of the needed bit (gene)
 - Take the working copy to the workshop (ribosome)
 - Use the copied instructions to build a specific protein







sequence of complimentary new nucleotides

