

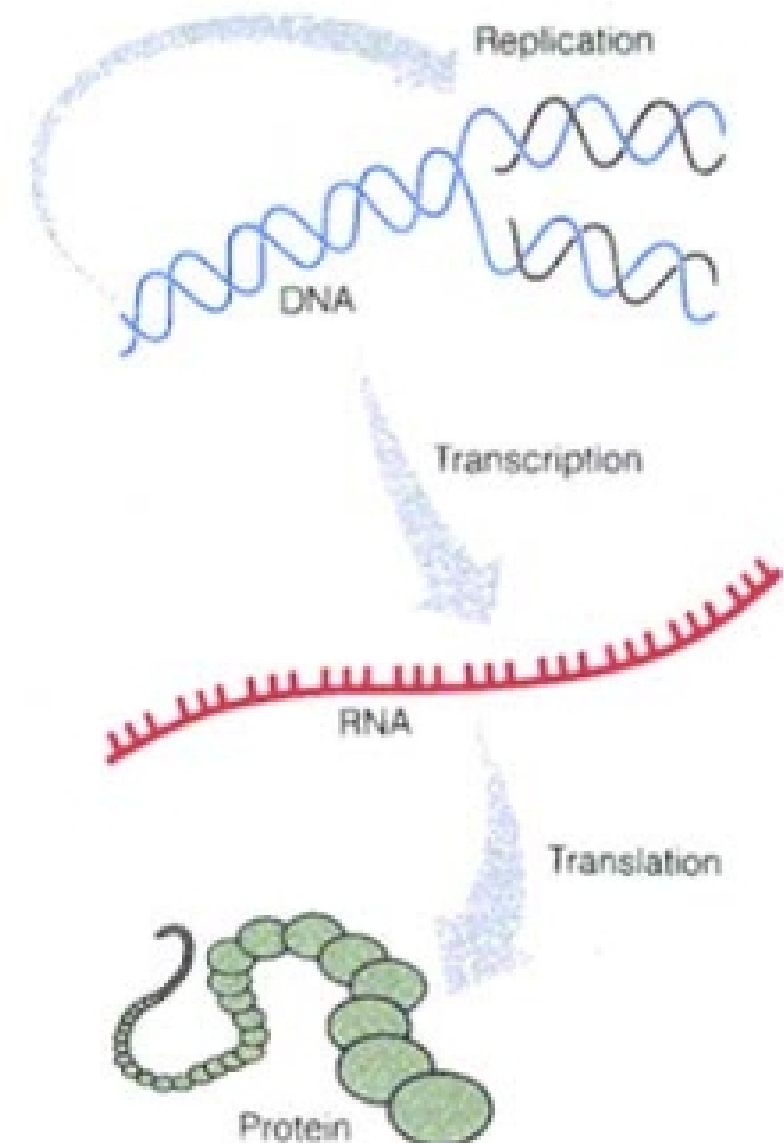
DNA Replication I
Biochemistry 302

Bob Kelm

January 26, 2004

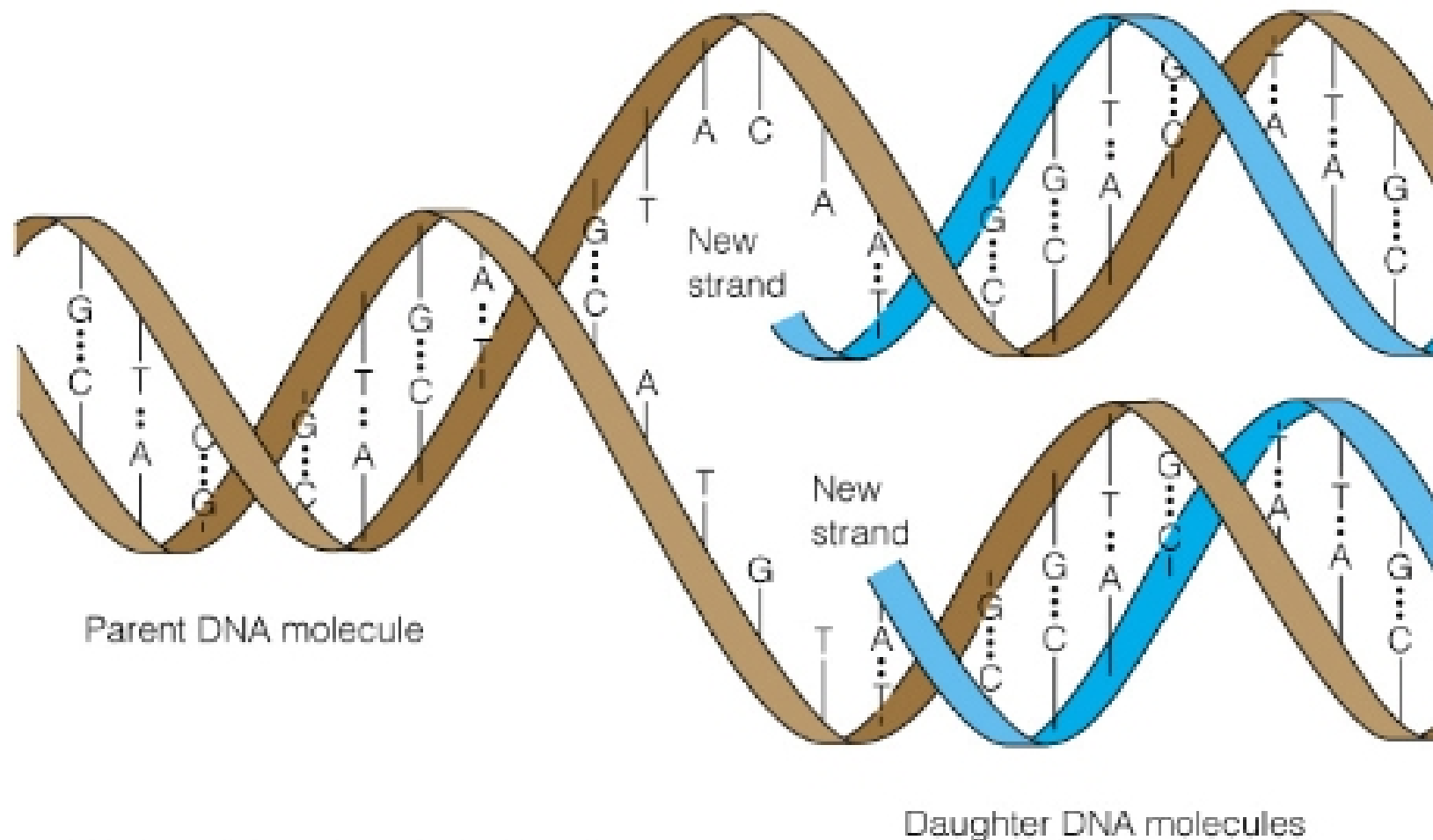
Overview of Information Metabolism

- **Replication (copying)**
- **Transcription (readout)**
- **Translation (decoding)**
- **Template-dependent (DNA or RNA)**
 - Initiation (point of regulation, generally)
 - **Chain elongation**
 - **Termination**



Watson Crick prediction:

Each stand of parent DNA serves as a template for synthesis of a new complementary daughter strand



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Fig. 4.12