

# DNA REPLICATION

## A Semi-Conservative Story of Love

### Scene I

Accurate description of the structure of DNA double helix

- 1-0 Nucleotides
- 1-0 Base pairs
  - Adenine, Thymine, Guanine, Cytosine
- 1-0 Hydrogen bonding
- 1-0 Complementary
- 1-0 Phosphate-sugar backbone
- 1-0 Double Helix

### Scene II

- 3-2-1-0 Accurate description of the action helicase

### Scene III

- 1-0 Accurate description of RNA primase
- 1-0 RNA primer

### Scene IV

- 4-3-2-1-0 Accurate description of RNA polymerase III

### Scene V

Accurate description of the replication of DNA

- 1-0 DNA Polymerase III
- 1-0 Ligase
- 1-0 DNA Polymerase I
- 1-0 Helicase
- 1-0 Leading strand
- 1-0 Lagging strand
- 1-0 Okazaki Fragments
- 1-0 Semi-conservative replication

Total:     /22