**FOR EACH OF THE SIX TERMS:**

1. **WRITE THE ABBREVIATION**
2. **WRITE A BRIEF DESCRIPTION**
3. **LIST THE PURPOSE OR USES**
4. **POLYMERASE CHAIN REACTION**
5. **ELECTROPHORESIS (INCLUDE RESTRICTION ENZYMES)**
6. **SPECTRAL KARYOTYPING**
7. **FLUORESCENCE IN SITU HYBRIDIZATION**
8. **KNOCKOUT MICE**
9. **CLONING (INCLUDE ALL 3 TYPES)**