Polymerase Chain Reaction (PCR)

- •Used to amplify a sample of DNA
- •Many applications, including:

DNA sequencing

Phylogeny

Diagnosis of genetic disorders Identity for forensics or paternity

- •Amplification is exponential
- •Requires thermal cycling
- •DNA is doubled each cycle
- •Typically used to amplify DNA fragments about 10 kb in length
- •Usually uses 20 to 40 thermal cycles









