**Chromatin:**

**Origin of replication:**

**Ribosome binging site:**

**Ribosome cycle:**

**Enhancer:**

**Genome:**

**Southern blotting:**

**rRNA :**

**“The genetic code is degenerate”What does it mean? What’s the benefits?**

It means that many amino acids are specified by more than one codon.

Code degeneracy explains how there can be great variation in the AT/GC ratios in the DNA of various organisms without large changes in the proportion of amino acids in their proteins.

The benefit:

1.The genetic code evolved in such a way as to minimize the deleterious effects of mutations.

2.Code degeneracy may serve as a safety mechanism to minimize errors in the reading of codons.

**Tell the general mechanism of control of gene expression of eukaryotes.**

**What's contribution of Dr.Rosalind Franklin to the discovery of DNA structure?**

**Give the full name of PCR, and tell its working principle.**