Broungineering: K	hat is boo-engineering? how is field of technology beneficial?
Brodiversity: Who	at is Biodiressily?  at are the levels of boodiresily?  or is biodiressily useful to furnamend.  at are various threats of boodiresily?
	et are microurganeurs!
Ber	y are microbes occasary en?
Cell structure: - Le	vels of classification - luhat are ne 5 kungdoms, how are the organism
2) Draw a nead labelled diagram of prokaryotic, plant / Animal cell with	
1 1	labels.  unctions of each organelle  hat is cell theory? Brief its postulation.
	sion: what are the various types  Cell division?
Brief	at are Chromosumes? all types of Chromosumes with
ulha	cessary diagrams et are autosomes and allosomes in creature?

Define Metabolism, what are the rongor type of metabolism? Metabolism: How is ATP an important moderate Brief varous types of Charnical broad, observed between but molecules. Biscuss the functions of proteins. Down Elaborate about the formation of a DNA double heliz. Brief its proportion Mention any 5 differences between Dup and RNA! what are the types of RNA? Brief functions of each RNA. The DNA double hel's has 398 phospho-drester bonds, what will be the number of base pairs in it? If a DNA has 200 bp. and G-C
H bonds are 210. what will be the
Concentration / Content/ percentage of
Thursine? In which content of A 12 50 bases what will be the number of H-Londs



which category of lipids. forms structures? protein Synthosis: What is a genetic codon/code?
Bring any 5 proposties of a codon. what are Start and Stop coolors. Discuss the process of transcriptions with a necessary diagram. what is the importance of mRNA.
editing [ splicing ) Schematically represent the process of translation and its stages. Inhat is cell differentiation? why is it required? Stern Cels: 12/hat are 8tem cells? mention any 3 proporties of stem cells. Brief the types of storm Cells depending upon their regenerative & deferentiation abilities what are the major sources of Stem cells? Mention any 6 differences between Embryonic & Adult Stern Cells.

u applications of Ham write any cells. Stem celle: What is therapeutic cloning. Bry the process with necessary diagrams Homeastasis! Define homeastasis. Why is it what are the various Components of what is intrinsic homeostasis? Bris Discuss the mechanisms of extrinsic Brief the levels of homeostasio during blood clothing process with necessary dragrams.