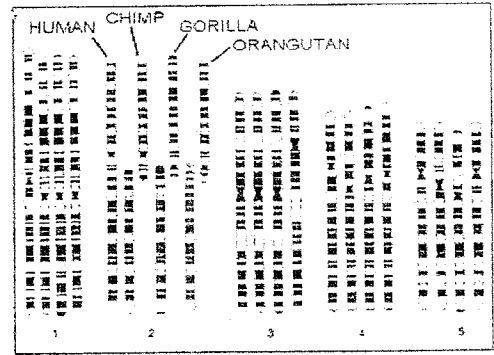


IV. Evidence for Evolution: Biochemistry

- A. Have the technology to _____ in different organisms
- B. Organisms that have the _____ in these molecules are related by a _____
- C. Enzymes, proteins and organelles for _____ important _____ are _____ (aerobic respiration and photosynthesis)
- D. The more _____ (protein), _____ the _____ the species.
- E. Genetic code is _____ for all organisms.



Species	Sequence of Amino Acids in the Same Part of the Hemoglobin Molecules
Human	Lys-Glu-His-Iso
Horse	Arg-Lys-His-Lys
Gorilla	Lys-Glu-His-Lys
Chimpanzee	Lys-Glu-His-Iso
Zebra	Arg-Lys-His-Arg

V. Mitochondrial DNA (*maternal DNA*)

- a. Mitochondria have their _____ (genome) that exists _____ of the cell
- b. Mitochondria are only inherited from the _____
- c. DNA in the _____ during meiosis, so the _____ of two people is _____
- d. Mitochondrial DNA from the mother shows a more _____
- e. Origin and migration of modern humans can be traced based on mutations in _____ and the _____

