1- In bone, the protein…………forms a framework for the deposition of calcium phosphate crystals.

a) fibrin b) collagen c) cystine

2- ……………….has a secondary amino group.

a) Proline b) Glycine c) Valine

3- ……………… is an amino acid with basic side chain.

a) Glutamine b) Glycine c) Lysine

4- Sickle cell anemia results from the substitution of polar glutamate by nonpolar …..

a) valine b) lysine c) proline

1-Arginine is an amino acid with……………… side chain.

a) nonpolar b)acidic c) basic

2- ………………is optically inactive.

a) Lysine b) Valine c) Glycine

3- Amino acids with…………side chain found in the interior of proteins that in an aqueous environment.

a) nonpolar b) uncharged polar c) acidic

4- …………………is weakly basic amino acid at physiological pH.

a) Histidine b) Lysine c) Arginine

1- Alanine is an amino acid with……………… side chain.

a) nonpolar b)acidic c) basic

2- Sickle cell anemia results from the substitution of polar…………. by nonpolar valine

a) valine b) glutamate c) proline

3- …………………plays an important role in the function of hemoglobin.

a) Histidine b) Lysine c) Arginine

4- Amino acids with…………side chains have zero net charge at neutral pH.

a) nonpolar b) uncharged polar c) polar

1- ………………is optically inactive.

a) Lysine b) Valine c) Glycine

2- Leucine is an amino acid with……………… side chain.

a) nonpolar b)acidic c) basic

3- Sickle cell anemia results from the substitution of polar glutamate by nonpolar …..

a) valine b) lysine c) proline

4- ……………….has a secondary amino group.

a) Proline b) Glycine c) Valine