

1. Of the 26 letters of the English alphabet, circle the ones that symbolize naturally occurring amino acids regularly incorporated into proteins:

A B C D E F G H I J K L
M N O P Q R S T U V W X
Y Z

2. Circle the letters that represent amino acids with nonpolar sidechains:

A B C D E F G H I J K L
M N O P Q R S T U V W X
Y Z

3. Circle the letters that represent amino acids with amide functional groups:

A B C D E F G H I J K L
M N O P Q R S T U V W X
Y Z

4. Circle the letters that represent amino acids with a negatively charged sidechain at pH 7.0:

A B C D E F G H I J K L
M N O P Q R S T U V W X
Y Z

5. Circle the letters that represent the aromatic amino acids:

A B C D E F G H I J K L
M N O P Q R S T U V W X

Name: _____

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Y Z