The Amino Acids

Structure	Name of the amino acid	Three Letter Code	One Letter Code	Properties of the side chain
$\bigcirc \circ \circ \circ \circ$				
⊕ H ₃ N►Ç-H				
$ \overset{\text{1131}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}$				
0 0 0				
÷ 🛓				
H ₃ N ► Ç̄҈ ≺ H				
$\mathrm{CH_3}\dot{\mathrm{C}}\mathrm{H}$				
$ ho$ CH $_3$				
$0 \searrow_{C} \bigcirc 0 \ominus$				
(H)				
H ₃ N ► Ç ≺ H				
$\overset{\dot{\mathbf{C}}\mathbf{H_{2}}}{\mid}$				
H ₃ C—CH-CH ₃				
$O \subset C \setminus O \ominus$				
⊕ H ₃ N►Ç-H				
H ₃ C►Ç≺H				
₹				
$\begin{array}{c c} H_3C-CH_2 \\ \hline O_{\bigcirc}O\bigcirc \end{array}$				
C C				
H ₃ N ►ǯ≺H				
$\begin{array}{c} \oplus \\ H_3 \mathbf{N} \blacktriangleright \mathbf{C} \\ \bullet \\ \mathbf{C} \\ \mathbf{H}_2 \\ \end{array}$				
$S-\!$				
$\overset{ }{\mathrm{CH}_3}$				

Structure	Name of the amino acid	Three Letter Code	One Letter Code	Properties of the side chain
$egin{align*} \mathbf{H}_3\mathbf{N}hrightarrowar{ar{\mathbb{C}}}hlacksquare \mathbf{H} \ \dot{\mathbf{C}}\mathbf{H}_2 \ & \ \end{matrix}$				
O (C) (O (C)				
$ ext{H}_3 ext{N}lacksquarear{ar{\mathbb{C}}}lacksquare ext{H} \ ext{CH}_2$				
OH OH				
$O \bigcirc C$ $H_3N \longrightarrow C \longrightarrow H$ CH_2				
$\ddot{\dot{ ext{C}}} ext{H}_2$				
NH				
	NI	Three	One	

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$\begin{array}{c} \bigcirc\\ O \\ \bigcirc\\ C \\ \end{array} \begin{array}{c} O \\ \\ C \\ \end{array} \begin{array}{c} O \\ \\$				

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O C O E				
H ₃ N►ǯ́≺H				
$\overset{\dot{\mathbf{C}}\mathbf{H_2}}{\overset{!}{_{}}}$				
OH				
O C O				
H ₃ N►Ç≺H				
H ₃ C►Ç⊄H				
OH_				
$\begin{array}{c} O \searrow \\ \bigoplus \\ H_3 N \blacktriangleright \overset{\underline{\bullet}}{\underline{\square}} \blacktriangleleft H \end{array}$				
$\bar{\breve{\mathrm{C}}}\mathrm{H}_{2}$				
$O=C-NH_2$				
O ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○				
$ \begin{array}{ccc} \mathrm{O} & \overset{\overline{\overline{\mathbb{C}}}}{\mathrm{C}}\mathrm{H}_2 \\ \mathrm{H}_2\mathrm{N} - \mathrm{C} - \mathrm{C}\mathrm{H}_2 \end{array} $				

Structure	Name of the amino acid	Three Letter Code	One Letter Code	Properties of the side chain
$ \begin{array}{c} O \searrow O \bigcirc \\ \oplus & \stackrel{\triangleq}{\longrightarrow} \bullet \\ H_3N \blacktriangleright \stackrel{\stackrel{\leftarrow}{\square}}{\square} \blacktriangleleft H \\ \stackrel{\stackrel{\leftarrow}{\square}}{\longrightarrow} \bullet \\ O = \stackrel{\leftarrow}{\square} O \bigcirc \end{array} $				
$\begin{array}{c} O \\ \bigcirc C \\ \\ H_3 N \blacktriangleright \stackrel{\leftarrow}{\underline{\mathbb{C}}} \blacktriangleleft H \\ O \\ CH_2 \\ \bigcirc O - C - CH_2 \\ \end{array}$				

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0 O O				
⊕ H ₃ N►Ç-H				
$\bar{\ddot{\rm C}}{\rm H}_2$				
$\mathrm{H_2C-CH_2}$				
$\mathrm{H_2}\overset{L}{\mathrm{C}}-\mathrm{NH_3}$				
O _C O ⊝				
H ₃ N►Ç҉≺H				
$\dot{\mathrm{CH}}_2$				
$\mathrm{H_2C}$				
$\begin{array}{c} \dot{\text{HN-C-NH}_2} \\ \oplus \mathbf{NH}_2 \end{array}$				
H ₃ N►Ç≺H				
${\rm \check{\bar{C}}H_2}$				
HN				

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$O \subset C \setminus O \ominus$				
H ₂ N► <u>C</u> ≺H				
$H_2N \blacktriangleright \stackrel{\triangleq}{\mathbf{C}} \blacktriangleleft H$ $\downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \qquad \downarrow \qquad \qquad$				
H_2C-CH_2				
0, 0 0				
⊕ ` C`				
H ₃ N►Ç-4H				
₹ H				