

1) Match the chemical substance with the type of polymer/type of bond

(A) Cellulose	(1) Natural Polymer
(B) Nylon-6,6	(2) Synthetic Polymer
(C) Protein	(3) Amide linkage
(D) Sucrose	(4) Glycoside linkage

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Answer:

(A) 1,4

(B) 2,3

(C) 1,3

(D) 4

Solution: Note the structure of each molecule. Proteins are made of peptides, which are in turn made of amino acids. Bonds in peptides are amide linkages.

