

Sample text to test trimming skills

Note that this sample text includes added length, to illustrate the trimming techniques. The wording with the added length strongly resembles “usual” writing style for academic research documents.

Paragraph #1: Shun the -tions (70 words long)

Proteins are fascinating devices for the performance of cellular functions, including the provision of structural support, the transportation of metabolites, and the catalysis of biochemical reactions. A protein's 3D structure defines the determination of its function and properties. Once we determine the involvement of its structure, the major challenge is to find the relationship of that structure to biochemical and physical data, for the evaluation of how the protein functions.

Paragraph #2: Give the action to simple, strong verbs (81 words long)

Doing studies of the effects on proteins of site-directed mutagenesis has a tendency to provide clues that are indicative of how small alterations in structure are able to correlate with changes in functional properties. The eventual goal of this work is to make progress in designing and synthesizing proteins that serve to perform new and desirable functions. Knowledge of structure-function relationships is still insufficient to be able to apply the process of designing new proteins with reference to a rational basis.

Paragraph #3: Declutter (77 words long)

In relation to enzymes, they are proteins that catalyze biological reactions that generally would not occur at perceptible rates in their absence. In particular, they are comparatively specific with reference to both the reaction that they catalyze and the substrates that they actually act upon. Indeed, precise knowledge with respect to the structure of an enzyme is essential with reference to understanding enzyme catalysis. The special chemical environment that enables an enzyme to accelerate a chemical reaction is a requirement that is created by the spatial arrangement of the enzyme's components. In fact, the field of crystallography effectively, we hope, gives direct visualization of these spatial relations.



Sample text, trimmed

Note that this not the only way to trim these paragraphs. Your choices when trimming will depend on the specific idea or concepts that you want to emphasize most in each sentence.

Paragraph #1: Shun the -tions (trimmed from 70 words to 51 words)

Proteins are fascinating devices for performing cellular functions, including providing structural support, transporting metabolites, and catalyzing biochemical reactions. A protein's 3D structure defines its function and properties. Once we determine its structure, the major challenge is to relate that structure to biochemical and physical data, for evaluating how the protein functions.

Paragraph #2: Give the action to simple, strong verbs (trimmed from 81 words to 51 words)

Studying effects on proteins of site-directed mutagenesis provides clues about how small alterations in structure correlate with changes in functional properties. The eventual goal of this work is to design and synthesize proteins that perform new and desirable functions. Knowledge of structure-function relationships is still insufficient to design new proteins rationally.

Paragraph #3: Declutter (trimmed from 77 words to 52 words)

Enzymes are proteins catalyzing biological reactions that would not otherwise occur at perceptible rates. They are specific in both the reaction that they catalyze and the substrates that they act on. Precise knowledge of an enzyme's 3D structure is essential to understanding enzyme catalysis. Crystallography gives direct visualization of these structural relationships.

