**Protein Structure terminology**

Precisely define and provide a specific example of each of the following. Your language should be sufficiently precise and accurate to leave a reader with no doubt that you understand what the term means. Ambiguous or poorly worded definitions are not acceptable.

1. Alpha helix
2. Alpha-alpha motif
3. Antiparallel beta sheet
4. Beta bends
5. Beta bulge
6. Beta hairpin
7. Beta sheet
8. Beta-alpha-beta motif
9. Chaotropic agents
10. Cis conformation
11. Coiled coil
12. Collagen
13. Cooperatively
14. Crystalline proteins
15. Denatured
16. Diffraction patterns
17. Disulfide bond
18. Domains
19. Electron density maps
20. Electrostatic interactions
21. Fibrous proteins
22. Folding funnel
23. Globular proteins
24. Greek key motif
25. Helix capping
26. Hydrogen bonds
27. Hydrophathies
28. Hydrophobic collapse
29. Hydrophobic effects
30. Ion pair
31. Irregular secondary structure
32. Keratin
33. Molten globule
34. Motif
35. Native
36. NMR
37. Nonpolar
38. Oligomers
39. Oligopeptide
40. Parallel beta sheet
41. Peptide
42. Pitch
43. Polar
44. Polypeptide
45. Primary structure
46. Protein
47. Protomers
48. Quaternary structure
49. Random coil
50. Reducing agent
51. Regular secondary structure
52. Reverse turns
53. Rise
54. Rossmann fold
55. Salt bridge
56. Secondary structure
57. Tertiary structure
58. Torsional (dihedral) angle
59. Trans conformation
60. X-ray crystallography
61. Zinc finger