





Student IDName

- 1) The followings are explanation of protein secondary structures.

Draw solid lines between corresponding elements.

| | | | | |
|----------------|---|-------------------------|--|---------------|
| α Helix |  | • Spiral conformation |  | DSSP code = E |
| β Sheet |  | • Extended conformation |  | DSSP code = H |

- 2) Give brief explanation about difference between Molecular Mechanics (MM) and Molecular Dynamics (MD). Use the following terms (Optimization, Simulation, and Velocity). (日本語での解答も OK です)