

Name: _____

Key

Quiz 7

1. What type of molecular interaction dominates during the formation of secondary structure? [Hint: your options are: dipole-dipole; dipole-induced dipole; or induced dipole-induced dipole]

- a. *dipole - dipole (hydrogen bond is one type)*
- b. Explicitly describe the participants in these interactions (e.g., identify who the atomic players are)

*Carbonyl oxygen of backbone accepts hydrogen bond
amide nitrogen of backbone donates hydrogen bond*

2. What type of molecular interaction dominates during the formation of tertiary structure? [Hint: your options are: dipole-dipole; dipole-induced dipole; or induced dipole-induced dipole]

- a. *induced dipole - induced dipole*
- b. Explicitly describe the participants in these interactions (e.g., identify who the atomic players are)

the non-polar side chains of residues interact