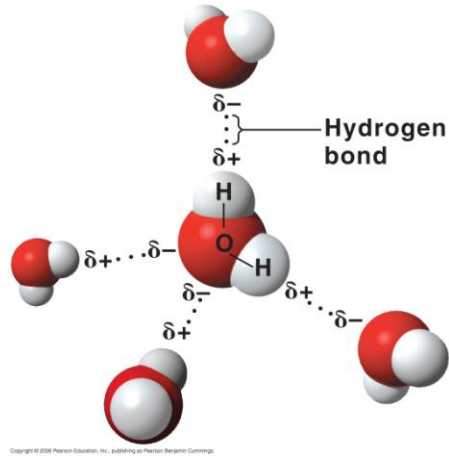


BSC 1010, The importance of hydrogen bonds in cell biology.



Describe a time during DNA replication where hydrogen bonding is required for the process to complete.

Describe a time during transcription where hydrogen bonding is required for the process to complete.

Describe a time during translation where hydrogen bonding is required for the process to complete.

Describe a time during the folding of an amino acid chain into a protein where hydrogen bonding is required for the process to complete.

If you heat water up enough you can break the hydrogen bonds between the water molecules. What kind of energy is causing these hydrogen bonds to break?

If you heat a DNA molecule up enough what would predict would happen?

If you heat an enzyme up enough what would you predict would happen?