

FOCUS SPOTS /HARD SPOTS

SUBJECT: CHEMISTRY

GRADE: XI

CHAPTER	CHEMICAL BONDING AND MOLECULAR STRUCTURE (CHAPTER- 4)
TOPIC/CONCEPT	POLARITY OF BONDS (4.3.6)
FOCUS SPOT	DIPOLE MOMENT OF THE MOLECULES
WHY	Although, the students are able to understand the directional nature of covalent bonds and the concept of Dipole moment, but students find it difficult to calculate the value of Dipole moment for various molecules because they are not able to visualize the molecule in three dimensions. Thus, due to lack of experimental aids, students find the topic difficult to understand. To overcome this challenge, students must be provided with proper explanation.
IMPACT	To aid the understanding of this topic, the teacher has to pre-plan and seek assistance of simulations in order to make students acknowledge the topic followed by explanation. Videos demonstrating the experiments can be very helpful. Otherwise, it becomes quite difficult for students to perceive it properly. Also, the students must be shown three dimensional models of various molecules by the teacher to help them comprehend the concept.