BLOOMFIELD HALL SCIENCE SOCIETY PRESENTS

OLYMPIAD

BHSS PESHAWAR

DRIVEN BY STUDENTS, DEFINED BY SCIENCE

STUDY GUIDE

HEISENBERG'S TRIALS

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Think you know your chemistry? From high-stakes Chem Poker, where scientific knowledge meets calculated wagers and psychological bluffing, to a chemistry-themed game of Guess Who that challenges teams to identify elements, compounds, and laboratory apparatus through clever questioning, every round brings a different twist. But the competition doesn't end there. A mysterious figure, a locked laboratory, and one final challenge await those who make it through. With chemical concepts, deductive reasoning, and strategic thinking at the heart of every encounter, only the sharpest teams will emerge victorious.

Note that participants must be ready to apply basic to advanced chemistry concepts including but not limited to O levels/ Matric, AS and A2/ FSc P1 and FSc P2.

Round 1
Teams will be competing in a high stakes trivia game of poker x bluff combining chemistry knowledge, strategic wagering and psychological bluffing. The questions will be decided by a luck based system of spin the wheel. Delegates are recommended to learn how to play bluff and poker and further step by step gameplay will be explained on the spot.

Topics may include:

1. Enthalpy Changes
2. Redox Reactions with Stoichiometry
3. Electrochemistry
4. Organic Chemistry
5. Reaction Kinetics
6. Periodicity
7. Acid, Bases, and Salts
8. Chemistry of the environment

Round 2:
Teams will be playing games of 'guess who' in this round, where they will have to guess the opponent team's choice first to win. The choices will include elements, Compounds, apparatus and multiple other options. Delegates will have to ask Yes or No questions from the opponent team in order to reach a definitive guess. Delegates should prepare strategy and play with deductive reasoning for this and make sure that their chemistry concepts are completely clear.

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Round 3:
A mysterious Chicken man has locked the lab with you in it...
Round 3 features a surprise round that will be revealed at the end of day 2.

1. Lab Techniques
2. Analytical Chemistry
3. Stoichiometry
4. Organic reactions
5. Periodicity with included reactions.