

Mole Day Celebrations

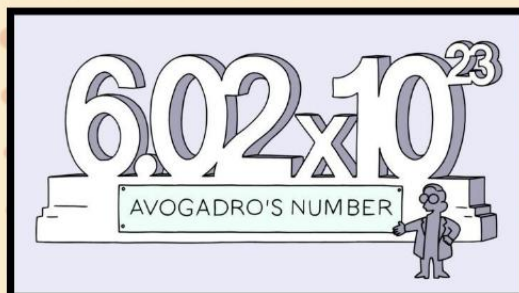
Organised By



GOVERNMENT COLLEGE (A)
RAJAHMUNDRY
(GCRJY)

Department of chemistry

Department of chemistry



MOLE DAY



The **Department of Chemistry** successfully organized a vibrant celebration of National Mole Day on the eve of **October 23, 2024**, at Chunnilal Jaju Municipal High School, Kambala peta, Rajahmundry. The event aimed to spark curiosity and foster enthusiasm for chemistry among school children through various engaging Laboratory activities by II M.Sc Organic chemistry students and competition



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The department expresses its gratitude to **Dr. Ramachandra RK**, the Principal, for his kind permission to host such a meaningful event. The program was effectively supervised by **Sri T. Srinivasa Rao**, the in-charge of the **Chemistry Department**, and coordinated by **Smt. G. Tejaswini**, Lecturer in Chemistry. Faculty members from the Chemistry Department actively participated, making the event a resounding success. **M. Padmaja**, Lecturer in Chemistry has given a lecture on **MOLE DAY** significance for the school students. **M. Santha Kumari**, along with **CH Rajani** and **J. Sashi Sri**, faculty members of the Chemistry Department, provided valuable support to ensure the smooth execution of the program.



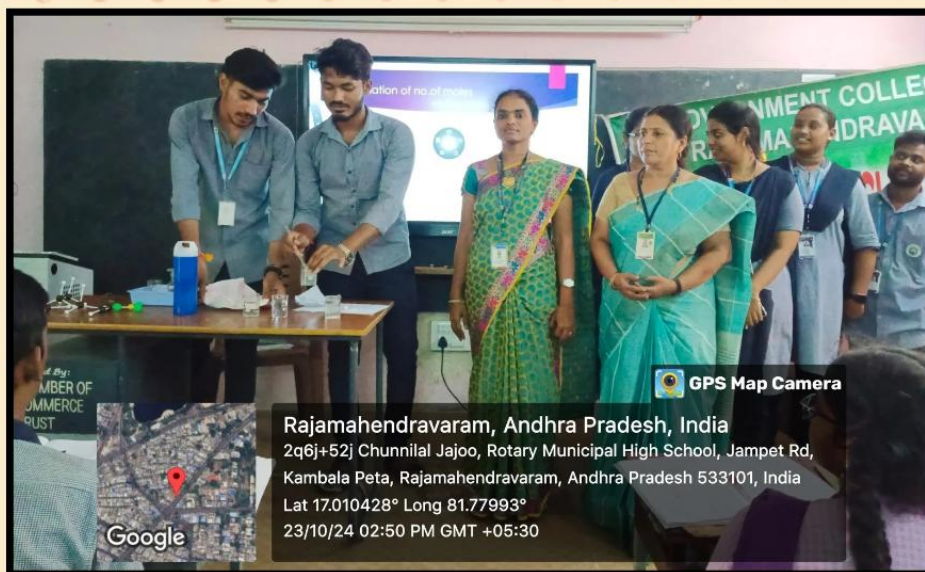
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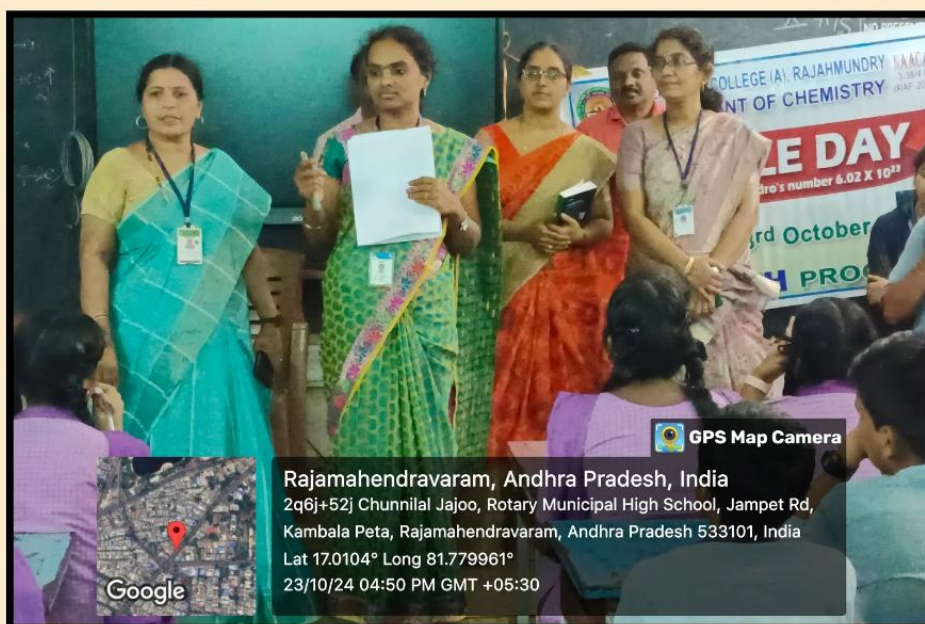
Mole Day, celebrated annually on **October 23rd** from **6:02 a.m. to 6:02 p.m.**, derives its significance from the Avogadro constant (6.02×10^{23}), which represents the number of particles in one **mole** of a substance. This day serves as an opportunity to emphasize the importance of the mole as a fundamental unit in **chemistry** and to inspire a deeper interest in the subject among students and enthusiasts alike.



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Chemistry enthusiasts commemorate **Mole Day** with a wide range of themed activities. To maintain excitement and engagement, a unique theme is introduced each year. For 2024, the theme is "**EncantMole**," bringing a creative and whimsical flair to the celebration.



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As part of the program, a test was conducted for students of classes 9 and 10. Additionally, second-year **M.Sc. Organic Chemistry** students demonstrated small-scale experiments, including the liberation of ammonia gas, acid-base reactions, and discussions on different types of solutions. **A total of 135 students participated** in the event, and prizes were awarded to the top performers, including first, second, third, and consolation prizes.



PAPER CLIPPINGS





తూర్పుగోదావరి

జిల్లా వార్తలు

గురువారం 24 అక్టోబరు 2024 | 5



ఆర్ట్స్ కళాశాలలో అంతర్జాతీయ మోల్ దినోత్సవం

రాజమహేంద్రవరం ఆర్ట్స్, అక్టోబరు 23 (ఆంధ్రజ్యోతి): రాజమహేంద్రవరం ప్రభుత్వ ఆర్ట్స్ కళాశాల రసాయనశాస్త్ర విభాగం ఆధ్వర్యంలో బుధవారం అంతర్జాతీయ మోల్ దినోత్సవాన్ని నిర్వహించారు. ఈ సందర్భంగా స్థానిక చున్నీలాల్ జాజు మున్సిపల్ హైస్కూల్లో విద్యార్థులకు మోల్ భావనపై అవగాహన కల్పించారు. మోల్ శాస్త్రవేత్త కనుగొన్న ఒక సంఖ్యపై విద్యార్థులకు వివరించారు. పోటీ పరీక్షలు నిర్వహించి బహుమతులు అందజేశారు. ఎం.పద్మజ, జి.తేజస్వినీ, ఎం.శాంతకుమారి, సీహెచ్ రజనీ, జేశశశ్రీ తదితరులు పాల్గొన్నారు.

మోల్ భావనపై అవగాహన



రాజమహేంద్రవరం, పెన్ పవర్, అక్టోబర్ 23 :స్థానిక ఆర్ట్స్ కళాశాల రసాయన శాస్త్ర విభాగం వారు అంతర్జాతీయ మోల్ దినోత్సవాన్ని పురస్కరించుకుని బుధవారం మోల్ దినోత్సవాన్ని పాటించారు. ఈ సందర్భంగా “చున్నీలాల్ జాజు మున్సిపల్ హై స్కూల్” నందు మోల్ భావనపై అవగాహన కల్పించారు మరియు పోటీ పరీక్షలు నిర్వహించి బహుమతులు ప్రధానం చేశారు. శ్రీమతి ఎం పద్మజ గారు పాఠశాల విద్యార్థిని విద్యార్థులకు మోల్ భావన వివరించి నేడు దేశానికి

శాస్త్రీయ పరిశోధనల అవసరం ఎంతో ఉందని విద్యార్థిని విద్యార్థులు భవిష్యత్తు శాస్త్రవేత్తలుగా దేశానికి సేవ చేయాలని పిలుపునిచ్చారు. మరియు విద్యార్థులకు ఎమ్మెస్సీ ఆర్గానిక్ కెమిస్ట్రీ స్టూడెంట్స్ అణవర్తనాలను, ప్రయోగాలను ప్రదర్శించారు. ఈ కార్యక్రమానికి డాక్టర్ జి. తేజస్వినీ అధ్యక్షత వహించగా ఎం. శాంతకుమారి, సిహెచ్ రజనీ, జె. శశి శ్రీ తదితరులు పాల్గొన్నారు. ఈ కార్యక్రమానికి కెమిస్ట్రీ ఇన్చార్జ్ డి శ్రీనివాసరావు ఎంతో ప్రోత్సాహాన్ని అందించారు.

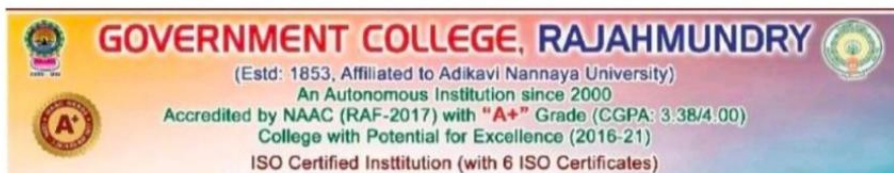
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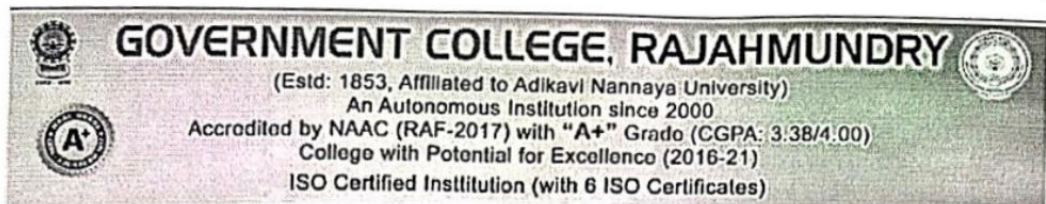


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- How many particles are there in one mole?
a) 1 b) 100 c) 6.023×10^{23} d) Infinite
- What is the symbol for a mole in chemistry?
a) M b) mol c) MO d) mole
- K is the symbol for which element?
a) Calcium b) Potassium c) Magnesium d) Sulphur
- Molecular weight of H_2SO_4 ?
a) 98 g / mol b) 96 g/ mol c) 88 g/ mol d) 58.44 g/ mol
- Nature of NaOH (sodium hydroxide) is?
a) Acid b) Base c) Neutral d) None
- What is mole formula?
a) mass of substance/molar mass b) gram molecular weight/molar mass
c) gram equivalent weight/molar mass d) none of the above
- Find the number of moles of H_2 in 10 g of H_2 ?
a) 5 b) 8 c) 10 d) 12
- How many moles are there in 32 grams of Helium atom?
a) 7 moles b) 9 moles c) 8 moles d) 5 moles
- What is the unit of gram molecular weight?
a) g b) mol c) g / mol d) g.mol
- The mass of H_2O molecule in one mole of water?
a)16g b)18g c)15g d)20g
- What is the smallest unit of matter?
a) Molecule b) Atom c) Compound d) Mixture
- Which element is the lightest in the periodic table ?
a) Hydrogen b) Helium c) Oxygen d) Nitrogen
- What is the molar mass of oxygen O_2 ?
a) 16 g/mol b) 32 g/mol c) 64 g/ mol d)128 g/mol
- Which of the following is a chemical change
a) Melting ice b) Burning wood c) Dissolving sugar d) filtering water
- What element does the symbol 'Au' stands for
a) Gold b) Silver c) Copper d) Tin
- What is the symbol for Argon
a) A b) Au c) Ag d) Ar
- What element group does Rubidium belongs to
a) Alkaline earth b) Basic metal c) Alkali metal d) transition metal
- What is most electronegative element
a) Fluorine (F) b) Bromine (Br) c) Oxygen (O) d) Nitrogen (N)
- What is the definition of the molar mass of a substance?
a) The mass of 1 gram of that substance b) The mass of 1 kilogram of that substance
c) The mass of 1 mole of that substance d) The mass of 1 milligram of that substance.
- Which of the following is an example of a physical change?
a) Respiration b) Evaporation of water c) Mixing vinegar and baking soda d) All of the above

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DEPARTMENT OF CHEMISTRY

Dt: 22-10-2024

To
The Head Master,
Chunnihal Jaju Municipal High School,
Kambala Peta
Rajamahendravaram.

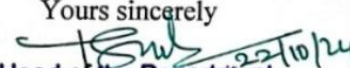
Sir/Mam,

Sub: Requisition for conducting Mole day - 2024 – Reg.

Department of Chemistry, Government College(A), Rajahmundry would like to conduct an awareness activity in connection with International Mole Day on 23 Oct 2024. Hence I request to accord permission to engage 9th and 10th standard students in the morning session of 23rd October 2024.

Thanking you,

Yours sincerely


Head of the Department,
Department of Chemistry,
Govt. College (Autonomous)
RAJAMAHENDRAVARAM-533 105

Department of chemistry

LETTER OF APPRECIATION

This is to certify that the Department of Chemistry of Government College (A) observed International Mole Day in our school on 23-10-2024 FN and explained the significance of Mole concept and Mole number in Chemistry. They conducted a test in basic chemistry to 9th and 10th standard students and distributed prizes to the winners. Further, encouraged all the participants by giving consolation prizes. Third semester M.Sc Organic Chemistry students of the college demonstrated experiments and facilitated hands on practise to our students, and they felt very happy. Nearly 140 students and science teachers of our school participated in this activity. Students actively involved and are very much motivated to learn Chemistry. The activity is highly appreciated.

Rajahmundry,

Dt.24-10-2024

HEAD MASTER

23/10/24
HEADMISTRESS
G.J.R.M.H. SCHOOL
KAMBALAPETA
RAJAHMUNDRY-J