

Written & Presented By :



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Recipient of National Award of Govt. Of India.

Honoured by  
Dr. A. P. J. Abdul Kalam  
for the contribution in  
Science Communication.



**Priya Lagvankar (M.Sc.)**

**Mentor and Resource  
Person for International  
Junior Science Olympiad**

# Science Practical

Standard 10th

**Hemant Lagvankar • Priya Lagvankar**

## Contents:-

- |   |   |
|---|---|
| 1. Identifying chloride, bromide and iodide ions.             | 1. To study mitosis and meiosis.                              |
| 2. To identify type of chemical reaction.                     | 2. Binary fission in Amoeba and budding in Hydra.             |
| 3. Classification of chemical reactions into Different types. | 3. To study the reproductive system in Hibiscus flower.       |
| 4. Magnetic field due to current carrying circular coil.      | 4. To study human reproductive systems.                       |
| 5. To study effect of heat on ice.                            | 5. Comparative study of ecosystems in the surroundings.       |
| 6. To study process of cooling of hot water.                  | 6. To study characteristics of Earthworm and Cockroach.       |
| 7. To study anomalous behaviour of water.                     | 7. To study characteristics of Fish and Pigeon.               |
| 8. To verify laws of refraction of light.                     | 8. To study properties of acetic acid.                        |
| 9. Refraction of light through glass prism.                   | 9. Characteristics of microbes useful For industrial purpose. |
| 10. Focal length of convex lens.                              | 10. To study Azolla, Anabaena, Azotobacter, Nostoc.           |
| 11. Reactions of soluble metal salts on metals.               | 11. Survey of building regarding disaster management.         |
| 12. Oxidation and addition reactions with carbon compounds.   | 12. Evolution of carbon dioxide during respiration.           |

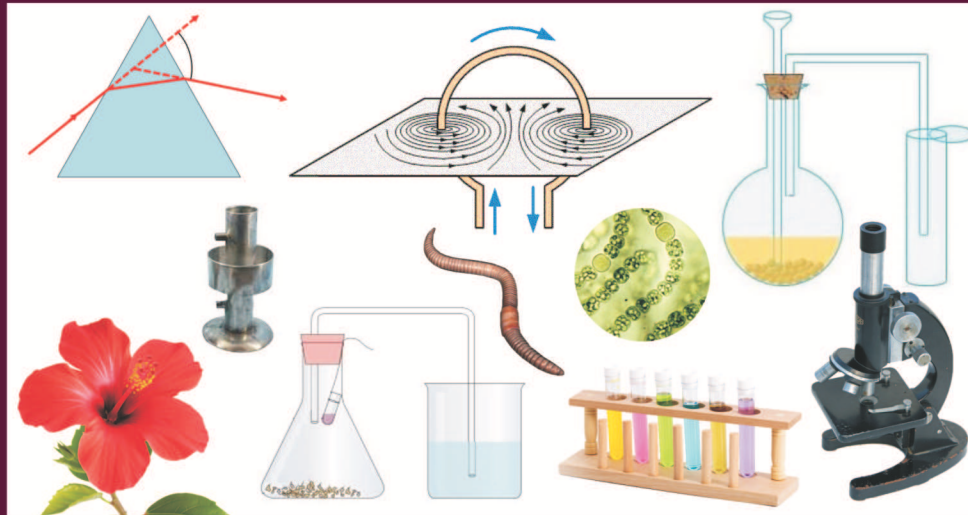
## Minimum Hardware Requirements:-

Pentium IV with CD-ROM Drive Support, 128 MB RAM, Windows 9x and above, Speakers / Headphone & mouse. **It may take some time to load the Videos.**

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