

International Baccalaureate Lab



Overview:

Unleash your inner scientist with Chromatography and Cell Size Measurements! Embark on a journey of colorful exploration as you unravel the secrets hidden within leaves. Crush, mix, and observe the captivating chromatographic patterns that emerge on the special paper strip. But that's not all! Dive into the microscopic world of cells and measure their sizes with precision. Armed with a ruler, real-size pictures, and a handy whiteboard, you'll unlock the mysteries of cellular dimensions. Get ready to dive into the realm of scientific discovery!

How to Find the Experience

Once logged in on the VXRLabs homepage, navigate to the "Subjects" tab, select the "Biology" option from the left-side menu, then select the "International Baccalaureate" option, then select the "IB Biology" option, then select the "Chromatography" option.

IB Course Offerings and Selection Guidance

Visit the link below or scan the provided QR code to see specific standards and acknowledgments.



Students' Transition to Higher Education

<https://ibo.org/university-admission/support-students-transition-to-higher-education/course-selection-guidance/>

Gameplay Instructions

Assembly Process:

1. Crush leaves (mortar and pestle? Would that work?)
2. Pour leaf crunchies into cup
3. Pour alcohol into cup
4. Stick paper strip into cup
5. Put into time chamber
6. Observe colors on paper strip (scaled line renderer with special gradients?)



Supplemental Chemistry Experiments

<https://www.vernier.com/educational-standards/international-baccalaureate/biology/>