

International Baccalaureate Lab



Overview:

Let's go on a thrilling scientific adventure with Osmolarity! Uncover the secrets of cellular balance as you create potato cores, measure their masses, and seal them in specialized test tubes. Explore the captivating world of osmotic pressure, and witness the transformation as you release the seal and observe the modified masses. Unleash your curiosity and embrace the wonders of Osmolarity today!

How to Find the Experience

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

IB Course 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

Need a scale, store mass values on samples.

- Step 1: Create potato cores with corer, spawns cores
- Step 2: Measure core mass with scale (stored on core instead of rb mass)
- Step 3: Place cores into test tubes
- Step 4: Seal test tubes (rubber cork?)
- Step 5: Place sealed test tubes into time chamber for x amount of time (variable)
- Step 6: Use wine bottle opener thing to uncork test tubes
- Step 7: Drain liquid into beaker, spawns cores again with altered mass
- Step 8: Measure core mass again

