

Virtual labs PhET
By M.E. Mohammed Mehdi Saleh

جمهورية العراق وزارة التعليم العالي والبحث العلمي جامعة الأنبار



شعبة ابن سينا للتعليم الالكتروني

تقدم

Virtual Labs



المختبرات الافتراضية PhET
اعداد : م.م. محمد مهدي صالح

اختر التخصص
Choose the specialty

Simulations

▶ New Sims

- HTML5
- Physics
- Biology
- Chemistry
- Earth Science
- Math
- By Grade Level
- By Device
- All Sims
- Translated Sims

Teaching Resources

- Research
- Accessibility
- Donate



Be an HTML5 Hero!

By converting our sims to HTML5, we make them seamlessly available across platforms and devices. Whether you have laptops, iPads, chromebooks, or BYOD, your favorite PhET sims are always right at your fingertips.

Become part of our mission today, and transform the learning experiences of students everywhere!

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New Sims



قائمة التخصصات المتوفرة
The list of specialties
available

Simulations

- New Sims
- HTML5
- Physics
- Biology
- Chemistry
 - General Chemistry
 - Quantum Chemistry
- Earth Science
- Math
- By Grade Level
- By Device
- All Sims
- Translated Sims

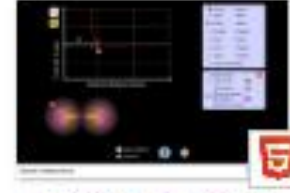
- Teaching Resources
- Research
- Accessibility
- Donate



Acid-Base Solutions



Alpha Decay



Atomic Interactions



Balancing Chemical Equations



Balloons & Buoyancy



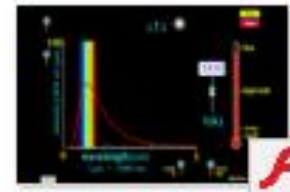
Balloons and Static Electricity



Beer's Law Lab



Beta Decay



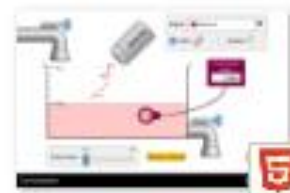
Blackbody Spectrum



Build a Molecule



Build an Atom



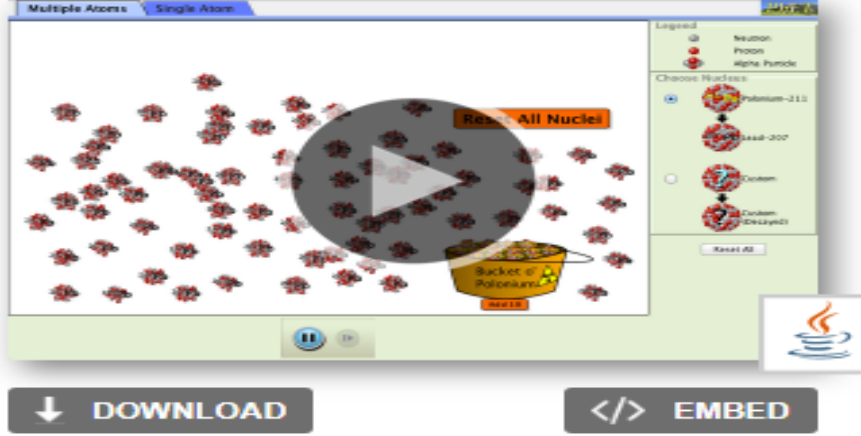
Concentration

مختبر الكيمياء في PhET يحتوي على قسمين :

General Chemistry
Quantum Chemistry

- 1- اختر القسم المطلوب .
- 2- للانتقال الى التجربة انقر على التجربة المطلوبة .

Alpha Decay



- Alpha Decay
- Half Life
- Radiation

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قم بتحميل التجربة
Download the experiment

Sound & Waves
Work, Energy & Power
Heat & Thermo
► Quantum Phenomena
► Light & Radiation
Electricity, Magnets & Circuits

Biology

► Chemistry

► General Chemistry
Quantum Chemistry

Earth Science

Math

By Grade Level

Elementary School

► Middle School

► High School

- 1 ► ABOUT
- 2 ► FOR TEACHERS
- 3 ► TRANSLATIONS
- 4 ► RELATED SIMULATIONS
- 5 ► SOFTWARE REQUIREMENTS
- 6 ► CREDITS

بعد تحميل التجربة انقر على حفظ
After download the
experiment, click keep

- ١- شرح التجربة
- ٢- لاجل الأستاذ
- ٣- تغيير لغة التجربة
- ٤- تجارب ذات صلة
- ٥- البرامج المطلوب تنصيبها
- ٦- المصممين




This type of file can harm your computer. Do you want to keep alpha-decay_en.jnlp anyway?

Keep

Discard

قم بفتح الملف لتظهر لك الشاشة ادناه
انقر على تشغيل
ملاحظة: يجب تنصيب برنامج (جافا)
لتشغيل المختبرات


Do you want to run this application?



Name: PhET Simulation
Publisher: University Of Colorado at Boulder - ...
Location: <https://phet.colorado.edu>

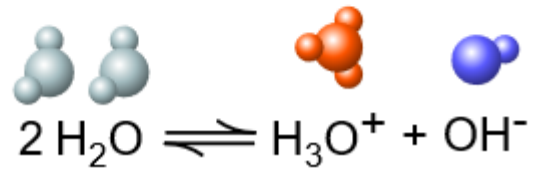
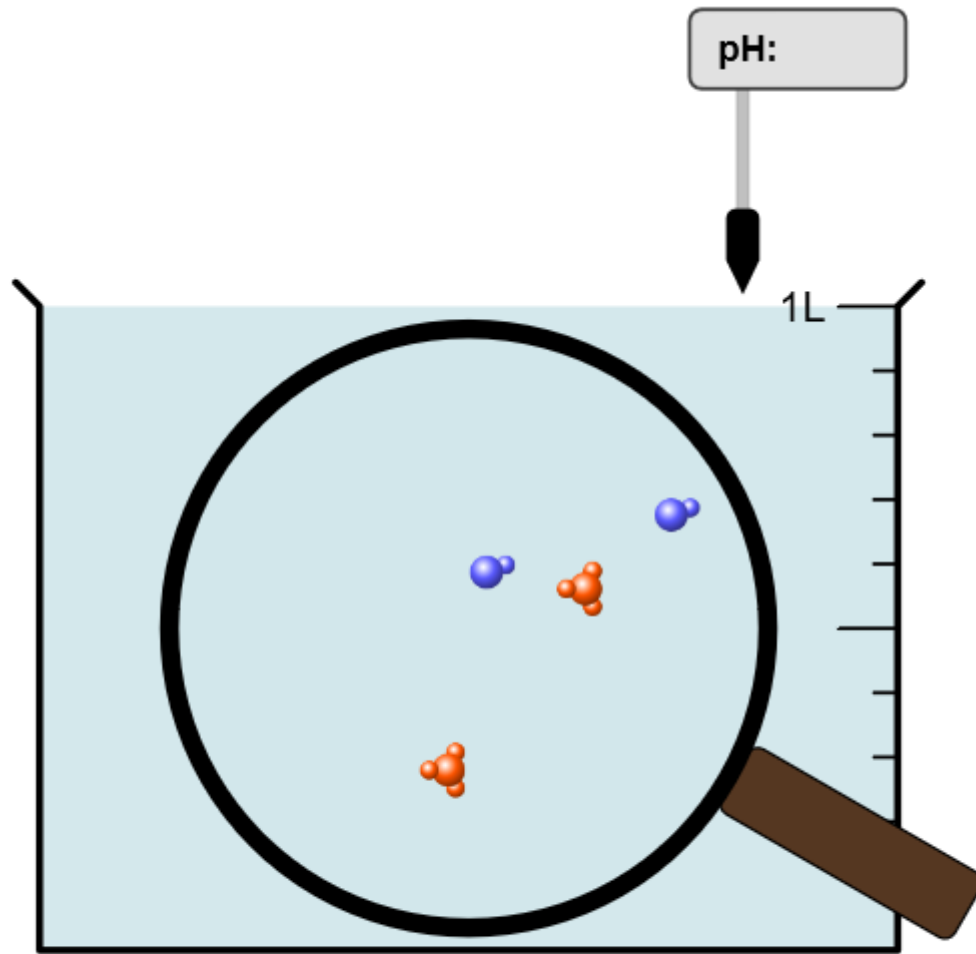
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



 More Information

Run **Cancel**





محاكاة التجربة ابدأ العمل حسب تخصصك



Solution

- Water (H_2O) 
- Strong Acid (HA) 
- Weak Acid (HA) 
- Strong Base (MOH) 
- Weak Base (B) 

Views

- Molecules 
- Solvent 
- Graph 
- Hide Views 

Tools

