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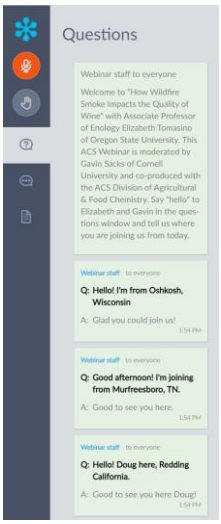
Questions or Comments?

Type them into the questions box!



"Why am I muted?"
Don't worry. Everyone is muted except the Presenter and the Host. Thank you and enjoy the show.

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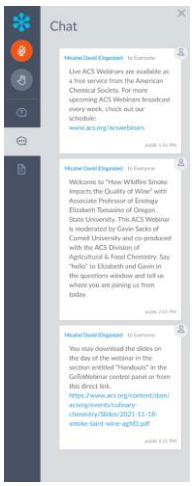
Chat

Announcements and hyperlinks from our team



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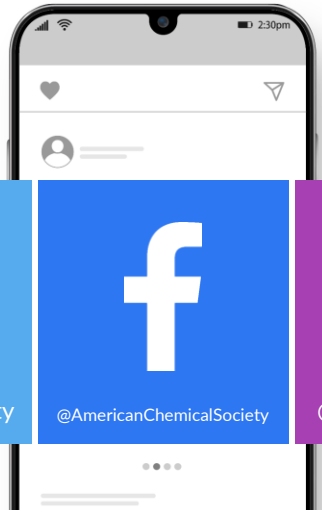

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Where is the Webinar Recording?

All Registrants

Watch the unedited recording linked in the **Thank You Email for 24 hours.**

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ACS Industry Member Programs

- **ACS Industry Matters**

ACS member only content with exclusive insights from industry leaders to help you succeed in your career. #ACSIndustryMatters

Preview Content: acs.org/indnl

- **ACS Innovation Hub LinkedIn Group**

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A Career Planning Tool For Chemical Scientists

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ChemIDP is an Individual Development Plan designed specifically for graduate students and postdoctoral scholars in the chemical sciences. Through immersive, self-paced activities, users explore potential careers, determine specific skills needed for success, and develop plans to achieve professional goals. **ChemIDP** tracks user progress and input, providing tips and strategies to complete goals and guide career exploration.

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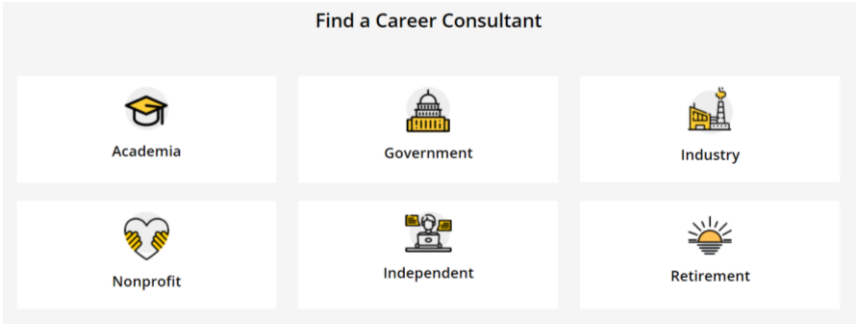
Career Consultant Directory



- ACS Member-exclusive program that allows you to arrange a one-on-one appointment with a certified ACS Career Consultant.
- Consultants provide personalized career advice to ACS Members.
- Browse our Career Consultant roster and request your one-on-one appointment today!

www.acs.org/careerconsulting

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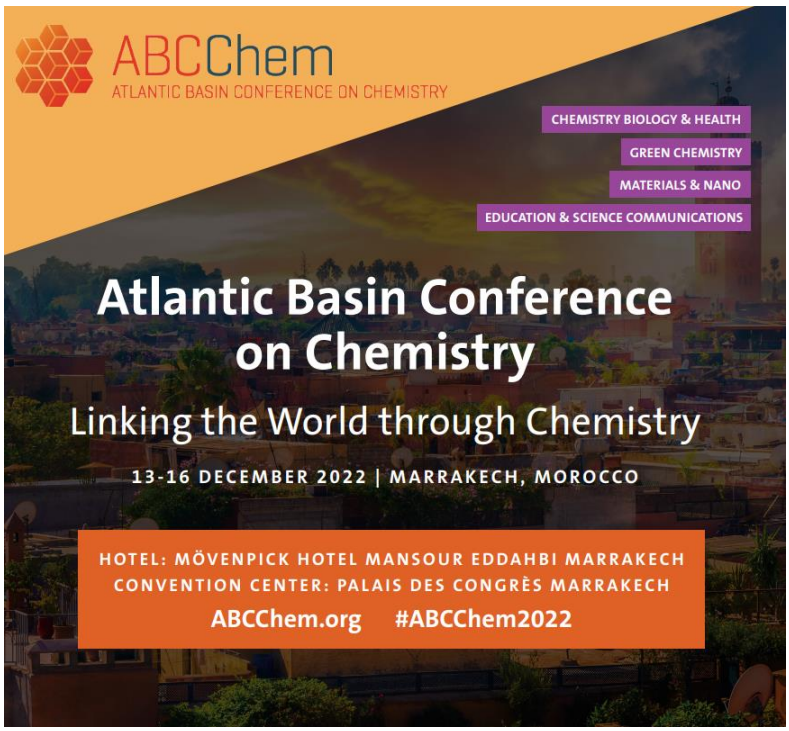

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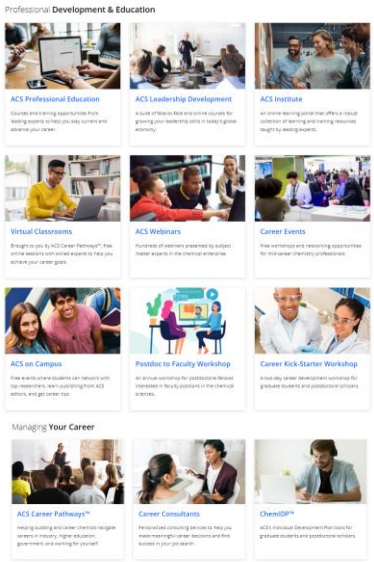
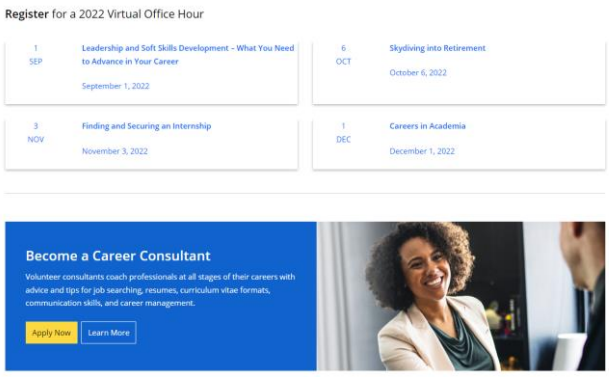
ACS Career Resources





https://www.acs.org/content/acs/en/careers/personal-career-consulting.html

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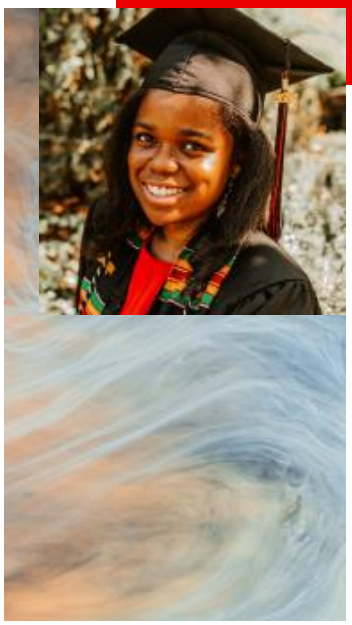

ACS Scholar Adunoluwa Obisesan

BS, Massachusetts Institute of Technology, June 2021
(Chemical-biological Engineering, Computer Science & Molecular Biology)

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Advancing ACS' Core Value of Diversity, Equity, Inclusion and Respect

Resources

Inclusivity Style Guide
Designed to help staff and members use language and images that respect diversity in all its forms.

ACS Webinars on Diversity
Covering diversity and inclusion at the workplace

ACS Publications DEIR Hub
See what ACS Publications is doing for fostering inclusivity in scholarly publishing

ACS Volunteer and ACS Meetings Code of Conduct
Fostering a positive and welcoming environment for attendees, volunteers and staff.

C&EN Trailblazers
C&EN highlights scientists from different backgrounds who are making an impact in chemistry.

NEW! Download DEIR Educational Resources
Download this educational guide for additional recommendations on videos, articles, books, podcasts, and more on diversity, inclusion, and related topics.

Quick Guide: Inclusion Moments
Learn more about what Inclusion Moments are and see ideas to host them during your meetings.

Quick Guide: How to host inclusive in-person events
Recommendations and best practices to ensure that your events can accommodate everyone.

Diversity, Equity, Inclusion, and Respect
**Adapted from definitions from the Ford Foundation Center for Social Justice:

Equity**
Seeks to ensure fair treatment, equality of opportunity, and fairness in access to information and resources for all. We believe this is only possible in an environment built on respect and dignity. Equity requires the identification and elimination of barriers that have prevented the full participation of some groups.

Diversity**
The representation of varied identities and differences (race, ethnicity, gender, disability, sexual orientation, gender identity, national origin, tribe, caste, socio-economic status, thinking and communication styles, etc.), collectively and as individuals. ACS seeks to proactively engage, understand, and draw on a variety of perspectives.

Inclusion**
Builds a culture of belonging by actively inviting the contribution and participation of all people. Every person's voice adds value, and ACS strives to create balance in the face of power differences. In addition, no one person can or should be called upon to represent an entire community.

Respect
Ensures that each person is treated with professionalism, integrity, and ethics underpinning all interpersonal interactions.

https://www.acs.org/content/acs/en/about/diversity.html

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TWENTY-SEVENTH ANNUAL

GREEN CHEMISTRY & ENGINEERING CONFERENCE

June 13-15, 2023 | Long Beach, CA

Closing the Loop: Chemistry For a Sustainable Future

Call for Abstracts

Will Open January 2023

gcande.org

ACS Green Chemistry Institute
Chemistry for Life

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ACS Local Section
Maryland

UMBC CHEMICAL BIOCHEMICAL AND ENVIRONMENTAL ENGINEERING

Circular Nutrient Economy

Recovering nutrients from waste streams for reuse as fertilizers

Wednesday, December 14, 2022 @ 2-3PM ET

Featuring Panelists: Expert Environmental Engineers from UMBC

Dr. Hui Chen (Team Lead)
postdoctoral research associate, UMBC, Dr. Blaney's lab. (Completed her Ph.D. in Chemistry at Stonybrook University)

Dr. Utsav Shashvatt
postdoctoral research associate, UC Berkeley
(Completed his Ph.D. in environmental engineering at UMBC – Dr. Blaney's lab)

Mr. Michael Fleming
Ph.D. candidate, UMBC, Dr. Blaney's lab
(environmental engineering program)

Ms. Ouriel Ndalamba
BS student, UMBC
(chemical engineering major)

Ms. Kaylyn Stewart
BS student, UMBC
(chemistry major)

Key Learning Objectives:

- Importance of circular nutrient economy
- Basics of Donnan dialysis
- Current progress in Donnan dialysis technologies for nutrient recovery

Who Should Attend:

- Analysts, technicians, engineers and chemists who are either currently involved in environmental issues
- Wastewater professions and farmers who are interested in employing new strategies to solve nutrient pollution
- Students and researchers working on environmental issues

Register Now! https://morganstate.zoom.us/webinar/register/WN_qjp23X-HSey30c99cTPe9w

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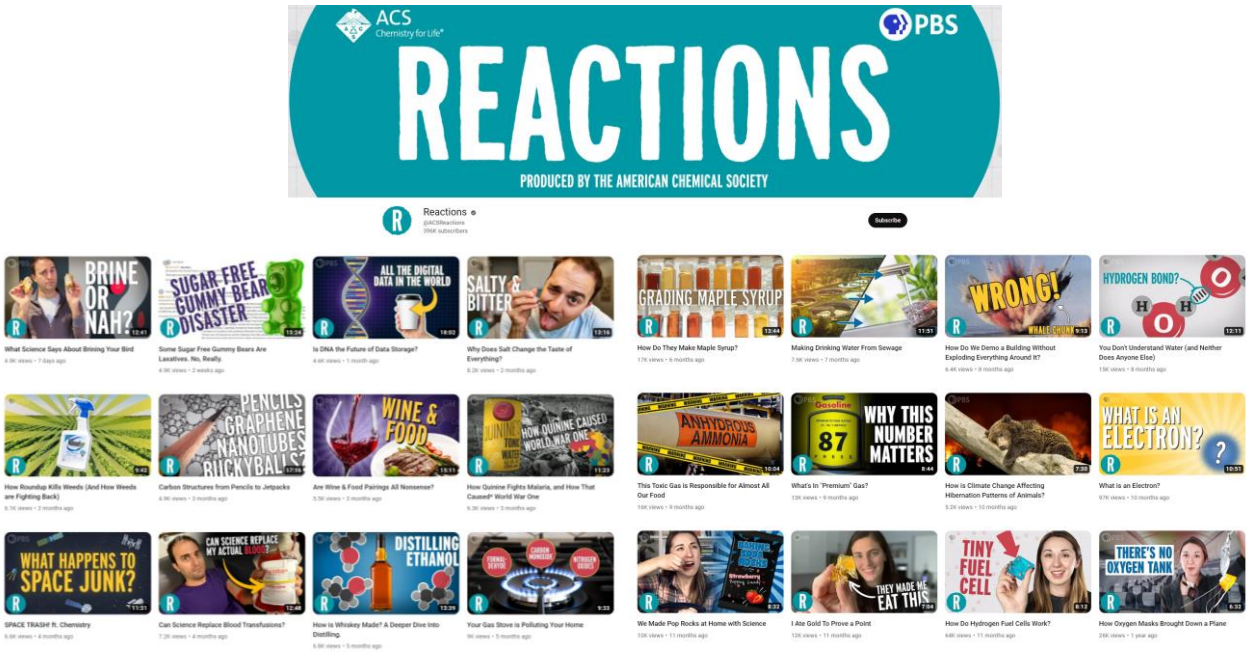

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Deboki Chakravarti, PhD
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THIS ACS WEBINAR® WILL BEGIN SHORTLY...

Say hello in the questions window!

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Download the Presentation Slides Under "Handouts" section in GTW panel

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The Search for the Worst Science Photo!:
What Makes a Good (or Bad) Stock Photo?

KIT CHAPMAN, PhD

Science Journalist, Historian and Professor, Falmouth University

MATTHEW RADCLIFF, PhD

Executive Producer, ACS Productions, American Chemical Society

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THE GOOD, THE BAD, AND THE STOCK PHOTO

Dr Kit Chapman
Falmouth University
kit.chapman@falmouth.ac.uk

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THE MOST FAMOUS STOCK PHOTO MODEL IN THE WORLD

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STOCK PHOTOS CAN BE BLAND...

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22

OR DOWNRIGHT BIZARRE

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Wonder Junkie
@_JohnnyJones

- Workpiece not clamped: check.
- No eye-pro: check.
- Face squarely in the danger zone: check.

WHEN EXPERTISE IS NEEDED, DETAIL MATTERS...

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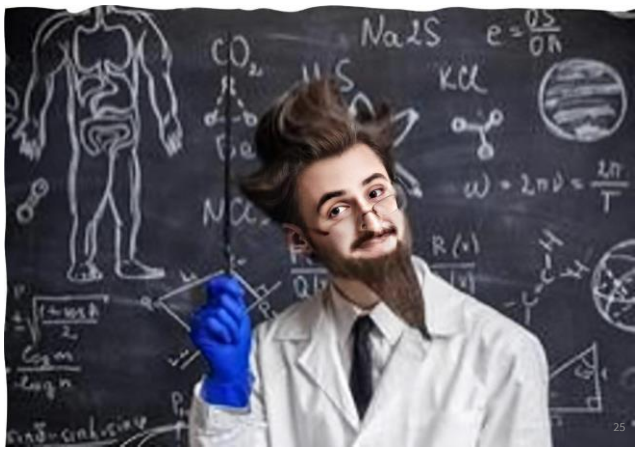
THE BAD SCIENCE



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THE SURREAL

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THE ODD STEREOTYPES

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THE LOW BUDGET, LOW EFFORT

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THE ROOKIE MISTAKES

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SEXUAL HARASSMENT

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Audience Survey Question

ANSWER THE QUESTION ON THE INTERACTIVE SCREEN IN ONE MOMENT

Which of the following real stock images deserves the award for worst science photo?

THUMBS UP!

PPE PAIR

SYRINGE CHICKEN

SUPER SOLDER

* If your answer differs greatly from the choices above **tell us in the questions window!**

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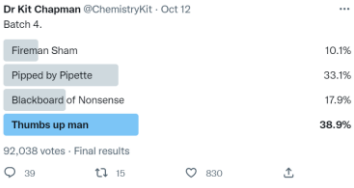
4. THUMBS UP!



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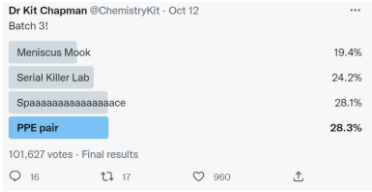
3. PPE PAIR



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2. SYRINGE CHICKEN

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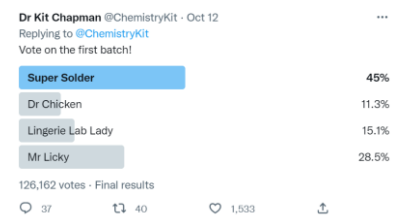
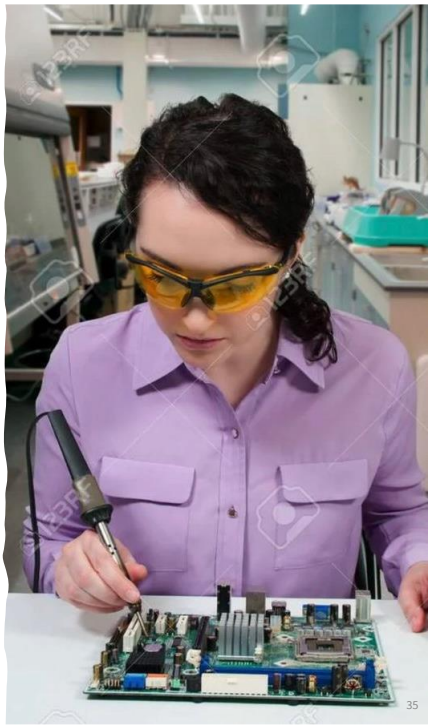
1. SUPER SOLDER





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WHAT DOES 'GOOD' LOOK LIKE?

- Reflect diversity (NOT tokenistic!)
- Ensure accuracy (ask!)
- Avoid stereotypes
- Think about captions

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GOOD EXAMPLES

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Portraying Safe Science

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ACS Committee Chemical Safety

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Portraying Safe Science

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In collaboration with the ACS Committee on Chemical Safety, **C&EN reporters and editors have adopted a 4-level hazard assessment** when deciding if a stock photo or other visual aid depicts safe practices in a chemical laboratory.

You can apply the same standards to your social media posts, school presentations, and business slide decks!

Level 1	Level 2	Level 3	Level 4
"Household"	"Teaching Lab"	"Research Lab"	"Severe Hazards"

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Level 1

Lab hazards equivalent to a typical household depicting consumer products and packaging.

What to Look For:

- Covered legs and feet
- No gloves necessary
- None or low ventilation specifications

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Level 1 - Example

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Level 2

Lab hazards equivalent to a teaching lab, with low concentration acids/bases, lower alcohols, solid salts, simple asphyxiant compressed gases

What to Look For:

- Covered legs and feet and **eye protection**
- **Appropriate gloves** (thin nitrile, vinyl, latex)
- **Moderate** ventilation
- **Local exhaust** ventilation

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Level 2 - Example

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Level 3

Moderate or varying hazards with chemicals typically found in research labs, like flammable solvents, corrosives, inorganic salts, toxics, and flammable gases

What to Look For:

- Covered legs and feet, eye protection, and **lab coat**
- Appropriate gloves (thin nitrile, vinyl, latex **for small qty**, **neoprene or butyl rubber for large qty/immersions**)
- **High** ventilation
- **Fume hood,** local exhaust ventilation

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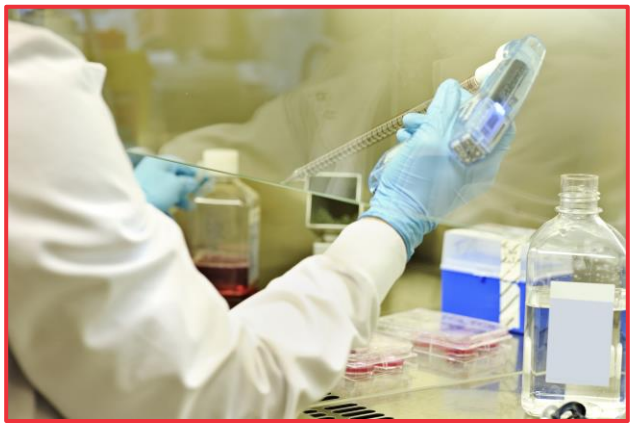
Level 3 - Example



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Level 4

Novel hazards or severe established hazards, for example air/water reactive or pyrophoric materials or gases. Explosives or potentially explosive compounds. Highly toxic materials

What to Look For:

- Covered legs and feet, eye protection, and **flame resistant** lab coat
- Specific gloves (ie. **neoprene for large qty or flame resistant for pyrophoric liquids**)
- **Specialized** ventilation
- Fume hood**,** local exhaust ventilation, **glove/dry box, enclosed reactor**

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Level 4 - Example

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No Wet Chemistry?

If there's only an enclosed instrument, you may be able to safely depict a lab image with relaxed safety measures (think level 1).

But, if the subject is preparing samples or other wet chemistry in the photo (like for an HPLC), then they should be outfitted appropriately. Laser labs require appropriate eye protection.

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THE LIVE Q&A IS ABOUT TO BEGIN!
Keep submitting your questions in the questions window!
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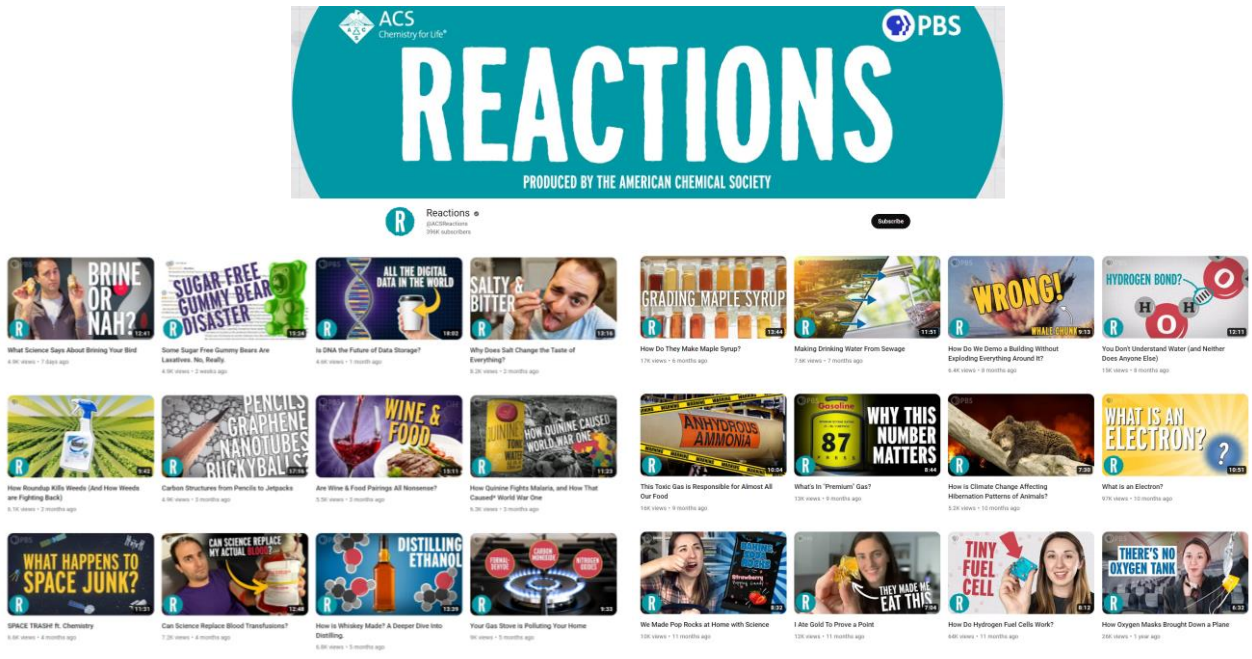
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BRINE OR NAH?
SUGAR-FREE GUMMY BEAR DISASTER
ALL THE DIGITAL DATA IN THE WORLD
SALTY & BITTER
GRADING MAPLE SYRUP
WRONG!
HYDROGEN BOND?
PENCILS GRAPHENE NANOTUBES BUCKYBALLS
WINE & FOOD
HOW QUININE CAUSED WORLD WAR ONE
ANHYDROUS AMMONIA
WHY THIS NUMBER MATTERS
WHAT IS AN ELECTRON?
WHAT HAPPENS TO SPACE JUNK?
CAN SCIENCE REPLACE MY ACTUAL BLOOD?
DISTILLING ETHANOL
THEY MADE ME EAT THIS
TINY FUEL CELL
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