

2022 Scavenger Hunt Worksheet

You will be seeing lots of great chemistry today. Here is a worksheet to help you start a discussion with your students. This is more for them to observe than to just walk up and ask questions off the worksheet. ICEF encourages students to be Citizen Scientists by observing and listening to what is happening around them.

Booths

- 1) When do you wear a hazmat suit? (SET booth)
- 2) Were you able to see the virtual refinery tour? What did you see? What is one fact that you learned?
- 3) What is density?
- 4) At the Stepan booth, how does the cup feel when holding it after the chemical reaction occurs? Discuss with your chaperone/teacher why this happens.
- 5) How many company booths dealt with food?
- 6) Which booth has the mussels? When listening to the presenter, why are mussels important to the environment?
- 7) What is fluorescence? (UOP)
- 8) When you were at the UOP booth, what did you see under the microscope?
- 9) At the MKD booth, did you try on any safety equipment? Did you work the electrical circuitry switchbox? Why is electrical safety so important? Do you need a college degree to be an electrician? If not, what kind of schooling is required?
- 10) At the TLC Ingredients and CEF booth, explain what is a non-Newtonian liquid?
- 11) At the Univar booth, this company is a distributor. What does a distributor do and what kind of products do they distribute?
- 12) At the booth where you made gummy worms, how many senses do you "eat" with?
- 13) What is the name of the scholarship offered to students who attend historically black colleges and universities?
- 14) At the Innophos booth, why did the beads glow? Can you explain the reaction? With the singing bowls, what caused the water to "jump"?
- 15) Did you meet any chemists or chemical engineers? Which booth were they at?
- 16) At the AbbVie booth, why is DNA important? And why is PPE important?
- 17) At the Jacob & Hefner booth, watch the video. What is happening in the video? What is remediation?
- 18) At the Dow booth, how many everyday items can you name that contain polymers? After the event, discuss with your teacher what polymers are.
- 19) Did you meet any engineers at the booths? Can you give a first name of the engineer? What kind of engineers are they?
- 20) At the Nouryon booth, describe the color reaction.