

YOUR ROLE IN RESEARCH
SHORT GUIDELINE FOR THE FACILITATOR

PREPARE FOR EVERY GROUP THE FOLLOWING:

- Three zipper bags
- A 20ml bottle of BTB (bromothymol blue) diluted in distilled H₂O, with pipette
- A pot with CaCl₂
- A pot with NaHCO₃
- Three measuring cups
- A measuring spoon
- A mortar
- Paper and pen
- Paper towels

1. INTRODUCTION – 10 MIN.

- a) Introduce yourself/briefly explain the workshop, material & safety rules
- b) Questions to ask the group:
 - Have you ever been in a chemistry lab?
 - Of what, do you think, consist the job of a chemist?
 - How can you work as scientist?
 - What do you think is a reaction?

2. GUIDED EXPERIMENT – 15 MIN

- a) Explain when scientists do a guided experiment
- b) Accompany the participant in their experiment
- c) Have them write down the observations

3. FREELY EXPERIMENT – 15 MIN

- a) Explain when scientists do a guided experiment
- b) Accompany the participant in their experiment
- c) Have them write down the observations

4. DISCUSSION – 20 MIN

- a) Questions to ask the group:
 - What have we discovered during this experiment?
 - What did each of you just do? What different roles did you have/what role does a scientist have in these kind of experiments?
 - add the needed skills
 - What other roles can a scientist have/what kind of job can a chemistry graduated do?
 - Explain how these influence the societal impact
 - What do you think we do in this kind of laboratories?
 - explain different type of labs
 - What aspects of this work do you think is most socially relevant and why? How can we impact on society most?
 - point out your observations
 - Who sees him/herself becoming a scientist (like me 😊)

Hypatia is an EU Horizon 2020 funded project that addresses the challenge of gathering different societal actors around bringing more teenagers, especially girls, into STEM careers both in school and as a choice of learning and career in the future. It aims at changing the ways sciences are communicated to young people in and out of school to make them more gender inclusive.

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