May 2020

LabChemistry_IS2_20160309_Camera1_Seg08.pdf

Setting: IS2 walks around the chemistry lab offering advice to students.

Participants: IS2 (ta, white lab coat, glasses), S1 (student, boy with goggles, S2 (student, girl; unseen), U1 (UGTA, girl), S3 (student, girl; unseen), U2 (UGTA, boy)

(0:00)
XXX IS2: ok
XXX so just get it done so (cold) crystals
XXX and prepare 10 mil
XXX S1: 10 mil?
XXX IS2: 10 mil hexene
XXX cold hexenes
XXX S1: ok
XXX IS3: ((walks away))
(0:08)
XXX ((pause))
(0:18)
XXX IS3: 10 mil
XXX mhm
(0:19)
XXX ((pause))
(0:35)
XXX IS3: oh
XXX it’s beautiful
(0:37)
XXX ((pause))
(0:43)
XXX IS3: no crystals?
(0:44)
XXX ((pause))
(1:00)
XXX S2: this is almost twenty minutes
XXX but it’s not (.2) turning
XXX U1: that’s fine
XXX S2: it’s ok?
XXX U1: yeah yeah
XXX [because it will all filter down
XXX IS2: [are you wa- are you wa-]
XXX S2: oh ok
XXX U1: yeah your crystals (will be good)
XXX IS2: are you waiting for the last spot?
XXX S2: yeah

XXX well- no not the last spot
XXX but ((alt transcription: for)) the twenty
XXX IS2: twenty minutes
XXX S2: yeah
(1:15)
XXX ((pause))
(1:24)
XXX IS3: u:m
(1:25)
XXX ((pause))
(1:36)
XXX U1: it looks cloudier
XXX is that just me
XXX yeah that's just me (.3)
XXX [she's not getting crystals
XXX S3: [it's not crystallizing
XXX IS2: so uh:
XXX your solution is-
XXX [is a uh (.) is orange (.) right
XXX U1: [get more hexene
XXX IS2: before
XXX S3: mhm
XXX U1: get more hexene
XXX S3: hexene?
XXX U2: is it cloudy though? (.3)
XXX wait
XXX why is her solution orange?
XXX S3: uh because it reacted
XXX and she said that
XXX after twenty minutes
XXX it's (supposed to) turn clear
XXX because it turns back into [(orange)
XXX IS2: [yeah
XXX S3: it was orange before
XXX at ten minutes it changed
XXX IS2: what was the color at uh twenty minutes?
XXX U2: at twenty minutes
XXX what was the color at [twenty minutes?
XXX S3: [uh it was clear
XXX U2: [ah shit
XXX IS2: [it was clear already?
XXX U2: yeah that's-
XXX then you might've=
XXX IS2: =uh::=

XXX U2: =messed up the:
XXX the uh ratio
XXX S3: ((indistinguishable))
XXX IS2: what ratio?
XXX U2: o- of the: reactants
XXX right?
XXX IS2: uh::
XXX U2: she might have put too much of one reactant
XXX than the other
XXX IS2: so
XXX where you're at is-is right, right?
XXX S3: mhm
XXX U2: I mean let me just (.) make sure
XXX ((pause))
XXX you add- you add uh
XXX S3: so one [milliliter
XXX U2: [one mil of ((chemical name))=
XXX S3: =yeah=
XXX U2: =and three mils of methyl chloride?=
XXX S3: =yeah
XXX U2: ok
XXX IS2: so
XXX this milliliter not
(2:52)