

# 2-Br Heptane

## Work with your team to define form and substance of appropriate questions for discussion:

*In practice, assign questions beforehand for teams of students to prepare and teach to the class.*

### Pre lab

- 1) *What is the question in the experiment? Who cares?*
- 2) *What shall we observe? Measure?*
- 3) *How shall we proceed? Reaction design.*
- 4) *How shall we work up and analyze. Design.*

### In lab

- 1) *How can we observe if reaction is proceeding?*
- 2) *Which layer is which? How to tell? Which has product?*
- 3) *How can you qualitatively assess the analysis to be sure you are getting useful data?*
- 4) *What variables can you control to improve the data?*

### Post lab

- 1) *What did you observe?*
- 2) *What can you conclude?*
- 3) *What does it mean? Explain result.*
- 4) *Multiple hypotheses. Can you offer other explanations? Propose a new experiment.*
- 5) *Compare to  $S_N2$ ? to  $E1/S_N1$*