KINETICS OF A BLEACHING REACTION

READ & DO PRE-LAB
PRE-LAB SUSB-023

MAKE BLANK;
CHECK SPECTROMETER

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CHECK SPECTROMETER

PREPARE NaOH &
DYE SOLUTIONS

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DYE SOLUTIONS

EQUILIBRATE TO
ROOM TEMP

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t = 0; MIX SOL'NS
& START CLOCK

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& START CLOCK

TAKE SAMPLE
MEASURE ABS
RECORD t & ABS

TAKE SAMPLE
MEASURE ABS
RECORD t & ABS

WAIT ~T1 SEC

WAIT ~T2 SEC

YES

YES

t = Tfinal ?

NO

NO

YES

YES

PLOT RUN 1
DATA

PLOT RUN 2
DATA

DETERMINE
ORDER wr to DYE
FROM DATA

DETERMINE
ORDER wr to OH-
& RATE CONSTANT
FROM DATA

CONSTRUCT
RATE LAW FOR
REACTION

COMPLETE
DATA SHEET

FINISHED

T1 & T2 AS
SPECIFIED IN LAB

λ
0 %
100%