TOPIC 4.3
SEPARATION TECHNIQUE

(CHROMATOGRAPHY – PART 1)

NAME:

CLASS: ***DATE:***

✷ ***STEP 1: Click on the video below before answering the questions***

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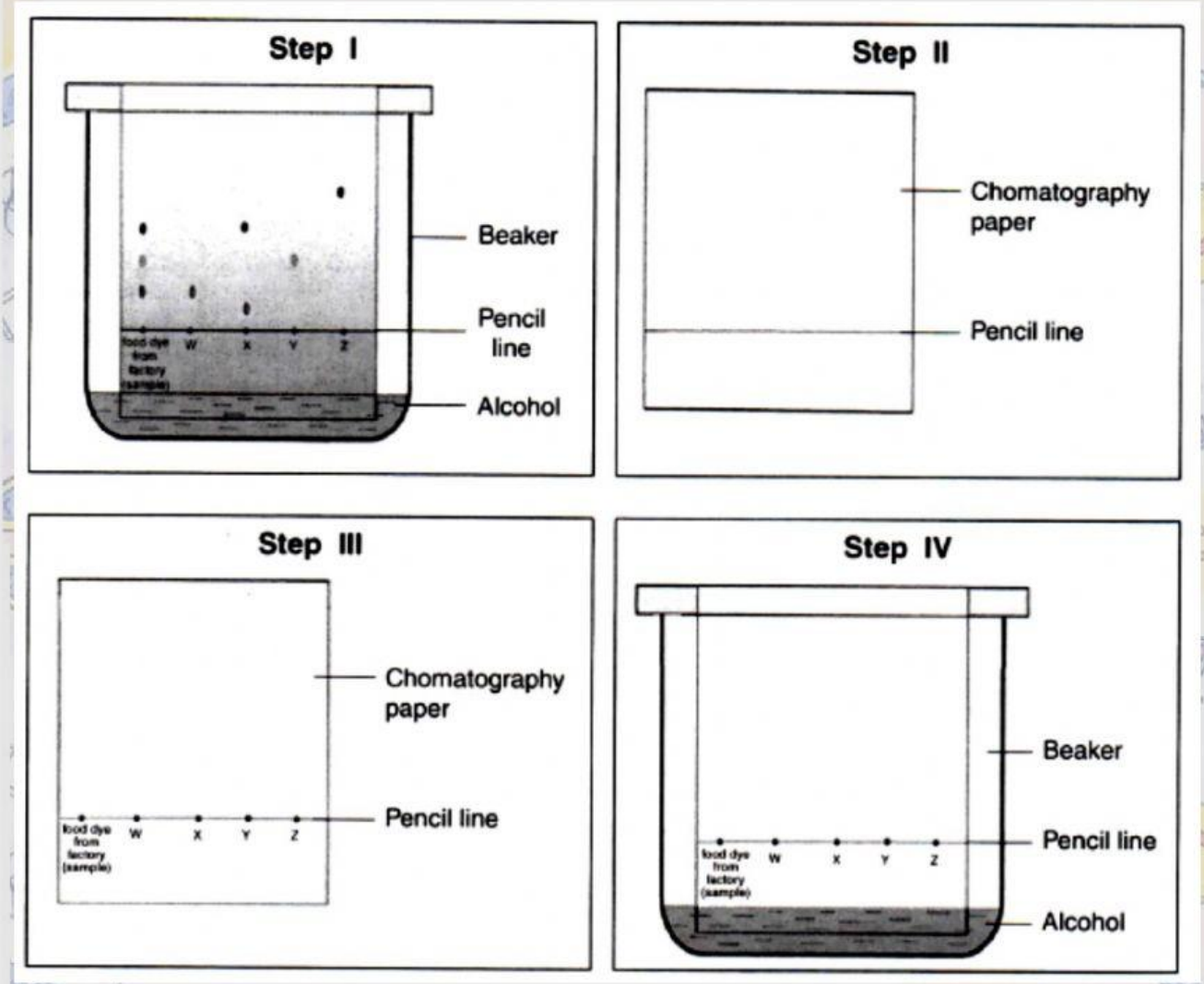
✷ STEP 2: Answer the following questions

1. The scientist carries out an experiment in figure below to find out if the factory has been using the banned food dyes. The steps shown are not in order.



Arrange the steps in the correct order.

Steps ☐ → ☐ → ☐ → ☐

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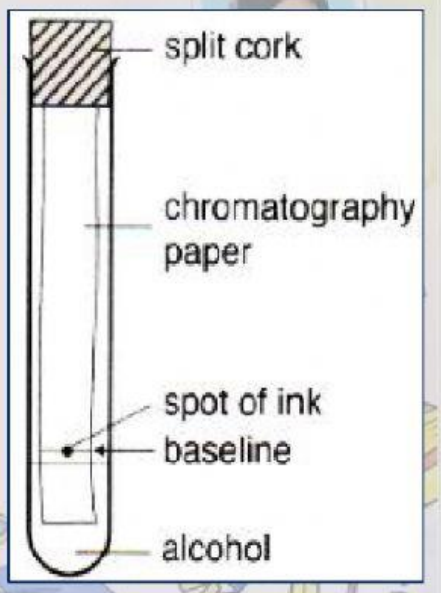
2 Figure below shows a diagram of these materials set up for paper chromatography.



a) Outline the steps that a Year 7 students could use to set up the apparatus as shown in figure.

Step 1 has been done for you.

Step 1:
Use a pencil to draw the baseline across the chromatography paper.

Step 2:

_____

_____

Step 3:

_____

_____

Step 4:

_____

_____

Step 5:

_____

_____

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b) Explain why the line is drawn in pencil and not in ink?

_____

_____

c) When should the student remove the chromatogram from the boiling tube?

_____

_____

✹ **STEP 3:**

☑ **Make sure you have written down your name, class and date at the top of the video in Step 1.**

☑ **Do not rush; take your time answering the questions.**

☑ **Click FINISH to submit your answers to your teacher**

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