WRITTEN EXERCISE #06 - T14.1

TOPIC 14 ATOMS, ELEMENTS AND COMPOUNDS

SUBTOPIC 14.1 ELEMENTS, COMPOUNDS AND MIXTURE

1. A student wants to find which coloured dyes have been mixed together to make dye X.

She separates a sample of dye X and samples of coloured dyes using paper chromatography.

Her results are shown in Fig. 13.1.

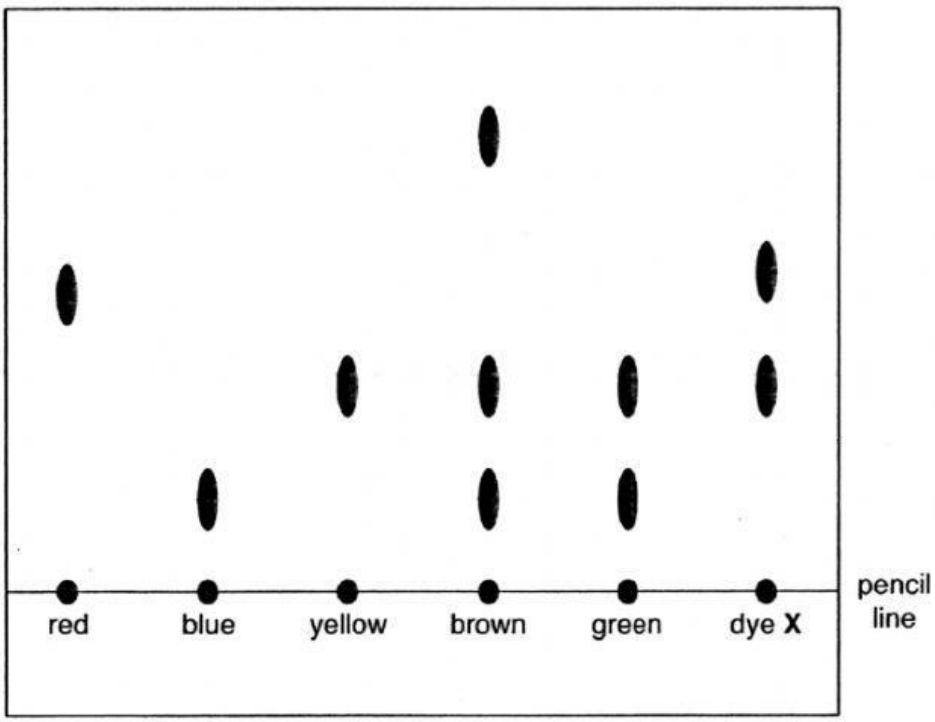


Fig. 13.1

(a) Explain why the line is drawn in pencil and not in ink. [1]

.....

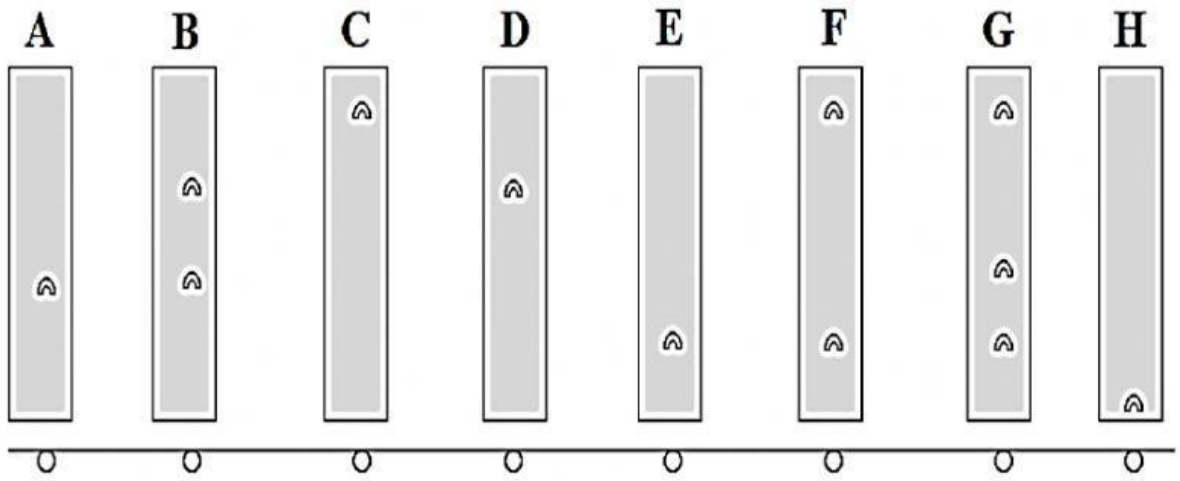
.....

(b) Which colours are present in dye X? ..... [2]

(c) Which coloured dye contains a substance not present in any of the other coloured dyes? ..... [1]

LIVEWORKSHEETS

2. Chromatograms obtained at the end of experiment:



From above result:

a) How many chromatograms contain impurities? ..... [1]

b) Which samples are pure? ..... [1]

c) Which sample contains unknown substance? ..... [1]

d) Choose two samples to make sample G. ..... and ..... [2]

LIVEWORKSHEETS