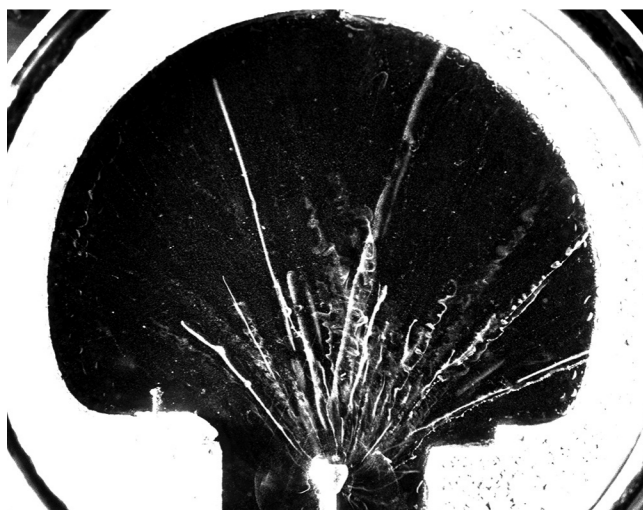


13 A cloud chamber is used to show the tracks of alpha particles and beta particles.

These particles ionise the air as they pass through the chamber.

Liquid droplets form around the ions. The droplets form visible tracks, as shown.



View from above

(Source: © sciencephotos/Alamy Stock Photo)

A student makes the following observations:

- the alpha particle tracks are thick and straight
- the beta particle tracks are thin and twisted.

Explain these observations.

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(Total for Question 13 = 4 marks)