

SECTION B

Answer **all** questions in the spaces provided.

- 8** (a) State and explain the trend in electronegativities across Period 3 from sodium to sulfur.

.....

.....

.....

.....

.....

.....

.....

.....

(4 marks)

(Extra space)

.....

.....

.....



- [illegible]

(Extra space)

Turn over ►



- A 25.0 cm³ sample of this solution required 21.2 cm³ of 0.500 mol dm⁻³ sodium hydroxide solution for complete reaction.

Calculate the mass, in kg, of phosphorus(V) oxide that must have been added to the water in the waste tank.

This image shows a full page of white paper with horizontal dashed lines, typical of primary-ruled notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

(Extra space)

