

Periodic table – GCSE Chemistry

1. No.8

0 8

This question is about elements in the periodic table.

0 8 . 1

Argon has the atomic number 18

Explain why argon does not form compounds.

Answer in terms of electrons.

[2 marks]

0 8 . 2

Phosphorus (P) is the element below nitrogen in the periodic table.

Predict the formula of the compound formed between phosphorus and hydrogen.

[1 mark]

Formula = _____

0 8 . 3

Tellurium is the element with atomic number 52

Predict whether tellurium reacts with metals.

Explain your answer.

Answer in terms of the position of tellurium in the periodic table.

[2 marks]

Barium (Ba) is an element in Group 2 of the periodic table.

Barium reacts with hydrochloric acid.

0 8 . 4

Suggest **two** observations that could be made when barium reacts with hydrochloric acid.

[2 marks]

1 _____

2 _____

0 8 . 5

Write a balanced symbol equation for the reaction between barium and hydrochloric acid.

[3 marks]

_____ + _____ → _____ + _____