

Name:	Class:	Date given:
		Date due in:

The Periodic Table

1. Complete the sentences below using the words from the box. [3]

periods	groups	atoms	elements
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The periodic table shows over 100 occurring _____.

The periodic table is organised horizontally into _____.

The periodic table is organised vertically into _____.

Use the periodic table to answer the questions below.

2a. Name two metals. [2]

2b. Name two non-metals. [2]

2c. Name two noble gases. [2]

2d. Name two group 2 elements. [2]

2e. Name two group 6 elements. [2]

3. Compare and contrast the patterns of reactivity of the elements in groups 1 and group 7. [6]

The Periodic Table **Answers**

1. Complete the sentences below using the words from the box. [3]

periods

groups

atoms

elements

The natural periodic table shows over 100 naturally occurring **elements**.

The periodic table is organised horizontally into **periods**.

The periodic table is organised vertically into **groups**.

Use the periodic table to answer the questions below.

2a. Name two metals. [2]

any from the left side of the periodic table (see key)

2b. Name two non-metals. [2]

any from the right side of the periodic table (see key)

2c. Name two noble gases. [2]

helium, neon, argon, krypton, xenon, radon

2d. Name two group 2 elements. [2]

beryllium, magnesium, calcium, strontium, barium, radium

2e. Name two group 6 elements. [2]

oxygen, sulphur, selenium, tellurium, polonium

3. Compare and contrast the patterns of reactivity of the elements in groups 1 and group 7. [6]

Max. 6 from:

Group 1 metals become more reactive down the group

Group 1 metals react with water

Lithium fizzes

Rubidium explodes

(description of any group 1 element observed in water)

Lithium least reactive in group 1

Francium most reactive in group 1

Group 7 reactivity opposite to group 1

Group 7 metals become less reactive down the group

Fluorine most reactive in group 7

Astatine least reactive in group 7