

# GCSE Chemistry: Covalent Bonding

## Priority Learning

### Worksheet

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Name: \_\_\_\_\_ Date: \_\_\_\_\_

Question:	1	2	3	4	5	6	Total
Marks:	7	2	4	4	4	4	25
Score:							

#### Aims of this worksheet:

- Understanding covalent bonds.
- Understanding diatomics.
- Practicing using dot and cross diagrams.

1. List the elements that can form diatomics.

(a) (1 mark)

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(b) (1 mark)

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(c) (1 mark)

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(d) (1 mark)

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(e) (1 mark)

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(f) (1 mark)

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(g) (1 mark)

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2. What is a covalent bond? (2 marks)

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.....  
.....

3. (a) Draw a hydrogen atom. (1 mark)

(b) Draw a H<sub>2</sub> molecule using a dot and cross diagram. (3 marks)

4. (a) Draw a fluorine atom.

(1 mark)

(b) Draw a  $F_2$  molecule using a dot and cross diagram.

(3 marks)

5. (a) Draw an oxygen atom.

(1 mark)

(b) Draw an  $O_2$  molecule using a dot and cross diagram. (3 marks)

6. (a) Draw an nitrogen atom. (1 mark)

(b) Draw an  $N_2$  molecule using a dot and cross diagram. (3 marks)

