

# Revision Sheet

IGCSE Chemistry · Unit 9 Metals

10 vocabulary items · 27 marks of exam questions (9 questions)

Part 1 · Vocabulary review answer key. Section A wants the exact English spelling.

| Question | Answer        | Marks |
|----------|---------------|-------|
| 1        | oxide         | 1     |
| 2        | calcium       | 1     |
| 3        | brass         | 1     |
| 4        | zinc          | 1     |
| 5        | carbon        | 1     |
| 6        | aluminium     | 1     |
| 7        | magnesium     | 1     |
| 8        | rusting       | 1     |
| 9        | ore           | 1     |
| 10       | blast furnace | 1     |

## Multiple Choice Answers

Q11: A

Q12: D

Q13: D

## Multiple Choice Answers

Q14: A

Q15: D

Q16: D

Q17: A

|       |   |
|-------|---|
| 18(a) | D |
| 18(b) | C |
| 18(c) | H |
| 18(d) | B |
| 18(e) | C |
| 18(f) | G |

|            |                                                                                                                                                                                                                                                                                                                    |  |  |               |         |                       |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---------------|---------|-----------------------|
| 19(a)(i)   | electron loss (from outer shell)                                                                                                                                                                                                                                                                                   |  |  |               |         |                       |
| 19(a)(ii)  | potassium                                                                                                                                                                                                                                                                                                          |  |  |               |         |                       |
| 19(a)(iii) | magnesium or potassium                                                                                                                                                                                                                                                                                             |  |  |               |         |                       |
| 19(a)(iv)  | iron                                                                                                                                                                                                                                                                                                               |  |  |               |         |                       |
| 19(b)      | <table><tr><td></td><td>M1 Colourless</td></tr><tr><td>M2 Blue</td><td>M3 Colour given in M2</td></tr></table>                                                                                                                                                                                                     |  |  | M1 Colourless | M2 Blue | M3 Colour given in M2 |
|            | M1 Colourless                                                                                                                                                                                                                                                                                                      |  |  |               |         |                       |
| M2 Blue    | M3 Colour given in M2                                                                                                                                                                                                                                                                                              |  |  |               |         |                       |
| 19(c)(i)   | hydrogen                                                                                                                                                                                                                                                                                                           |  |  |               |         |                       |
| 19(c)(ii)  | strontium hydroxide                                                                                                                                                                                                                                                                                                |  |  |               |         |                       |
| 19(c)(iii) | <b>M1</b> magnesium <b>or</b> Mg<br><b>M2</b> magnesium oxide                                                                                                                                                                                                                                                      |  |  |               |         |                       |
| 19(d)      | Fe <sub>3</sub> O <sub>4</sub> + 8HCl → 2FeCl <sub>3</sub> + FeCl <sub>2</sub> + 4H <sub>2</sub> O<br>M1 FeCl <sub>2</sub> <b>or</b> FeCl <sub>3</sub> as product of equation<br>M2 FeCl <sub>2</sub> <b>and</b> FeCl <sub>3</sub> <b>and</b> H <sub>2</sub> O as only products of equation<br>M3 Correct equation |  |  |               |         |                       |