



## 1.8 — Categorisation of Ferrous and Non-Ferrous Metals

Pearson Edexcel GCSE (9–1) Design and Technology

### Answer Sheet — List Questions

Qualification: Pearson Edexcel GCSE (9–1) Design and Technology

Chapter: 1.8

#### Answers

Tick (■) each correct answer. 1 mark per correct answer. Spelling and case are not important — accept similar words.

**Q1**

List 3 mechanical properties of mild steel. (3 marks)

Tick (■) each correct answer. 1 mark per correct answer. Spelling and case are not important — accept similar words.

- 1 ■ Tough
- 2 ■ Ductile
- 3 ■ Malleable

Source: Specific Ferrous Metals — Mild Steel: Mild Steel is tough, ductile, and malleable.

**Q2**

List 3 properties or characteristics of brass. (3 marks)

Tick (■) each correct answer. 1 mark per correct answer. Spelling and case are not important — accept similar words.

- 1 ■ An alloy of copper and zinc
- 2 ■ Good corrosion resistance
- 3 ■ Attractive golden colour

Source: 1.8.2 Non-Ferrous Metals — Brass: Brass is an alloy of copper and zinc, with good corrosion resistance and an attractive golden colour. Common uses include bathroom fittings, musical instruments, and door handles.

**Q3**

List 3 properties of stainless steel. (3 marks)

Tick (■) each correct answer. 1 mark per correct answer. Spelling and case are not important — accept similar words.

- 1 ■ Hard
- 2 ■ Tough
- 3 ■ Resistant to corrosion

Source: Specific Ferrous Metals — Stainless Steel: Stainless Steel is hard, tough, and resistant to corrosion.

**Q4**

List 3 common uses of copper. (3 marks)

Tick (■) each correct answer. 1 mark per correct answer. Spelling and case are not important — accept similar words.

- 1 ■ Electrical wire
- 2 ■ Water pipes
- 3 ■ Printed circuits

Source: Specific Non-Ferrous Metals — Copper: Common uses include electrical wire, water pipes, and printed circuits.

Q5

List 4 properties of aluminium. (4 marks)

Tick (■) each correct answer. 1 mark per correct answer. Spelling and case are not important — accept similar words.

- 1 ■ Malleable
- 2 ■ Ductile
- 3 ■ Corrosion resistant
- 4 ■ Good conductor of heat and electricity

Source: Specific Non-Ferrous Metals — Aluminium: Aluminium is malleable, ductile, and corrosion resistant. Aluminium is a good conductor of heat and electricity.