



1.8 — Categorisation of Ferrous and Non-Ferrous Metals

Pearson Edexcel GCSE (9–1) Design and Technology

Assessment Sheet — Explain Questions

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

Chapter: 1.8

Name: _____ Class: _____ Date: _____

Questions

Write your answer in the space below each question. You must make a point AND explain it to gain both marks. (2 marks each)

Q1 Explain one working property of aluminium that makes it an appropriate choice of material for the camping stove body rather than mild steel. (2)

Answer:

Q2 Explain one disadvantage of using mild steel for the outdoor garden gate latch. (2)

Answer:

Q3 Explain one reason for using stainless steel for the surgical instrument tray used in a hospital. (2)

Answer:

Q4 Explain one reason why cast iron is a suitable material for the jaws of a workshop vice. (2)

Answer:

Q5 Explain one reason for using copper for the water pipe fittings in a central heating system. (2)

Answer:

Questions (cont.)

Q6 Explain one reason why brass is used for bathroom tap fittings. **(2)**

Answer:

Q7 Explain why ductility is an important property in a metal used to manufacture electrical cables. **(2)**

Answer:
