

EXAM QUESTIONS — Use the questions to test your progress. Check your answers on page 94.

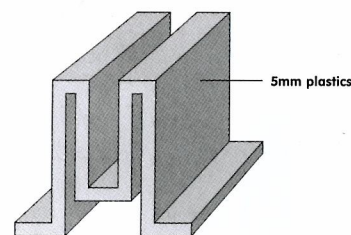
1. A letter rack is to be made from 5 mm thick plastic.

a) Name a plastic suitable for making the rack. (1 mark)

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b) State one reason why you have chosen the material. (1 mark)

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2. a) Name a wood commonly used in the manufacture of children's toys. (1 mark)

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b) State two reasons why people may prefer plastic toys to wooden toys. (2 marks)

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3. a) Name three ready-made components that can be bought from suppliers. (3 marks)

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b) State two reasons why these components are often bought in from such companies. (2 marks)

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4. A wooden toy needs to be sent through the post.

a) Give two suitable packaging materials you could use and give one reason for each choice. (2 marks)

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b) State one environmental issue associated with each material you have chosen. (1 mark)

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5. A set of direction arrows for outside use are to be made from mild steel.

a) State two properties the direction arrows would have to have. (2 marks)

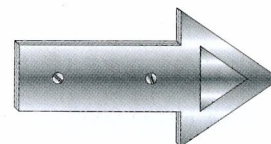
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b) Give a reason why unprotected mild steel is not suitable for outdoor use. (1 mark)

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c) Explain how mild steel could be protected. (1 mark)

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6. a) Give two reasons why manufactured boards are better for the environment than natural timbers. (2 marks)

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b) Name two types of manufactured boards. (2 marks)

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7. A softwood box is to be made in batches of 9000.

a) Name a material to make (i) the box and (ii) the thermoplastic handle. (2 marks)

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b) Give one property associated with each of the materials you have named. (1 mark)

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c) State a process that could be used to manufacture the handles. (1 mark)

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