

8. A batch of screwdriver blades are to be quench-hardened and tempered.

a) What type of steel would be suitable? (1 mark)

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b) Why does the metal need tempering? (1 mark)

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c) How can the correct tempering temperature be identified? (1 mark)

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9. Twenty canoe hulls are to be made from a composite material.

a) State what sort of composite could be used. (1 mark)

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b) Give two advantages of using the composite material as opposed to other types of materials. (2 marks)

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c) What process could be used to manufacture the hull? (1 mark)

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10. a) Name a natural wood suitable for outside use. (1 mark)

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b) Give two reasons why it needs to be protected. (2 marks)

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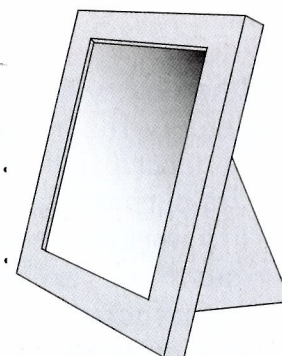
11. Two parts of an acrylic picture stand are to be glued together.

a) Name a type of adhesive that could be used. (1 mark)

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b) State two factors that need to be observed to ensure a good joint. (2 marks)

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12. A material is being selected for a washing-up bowl. (2 marks)

a) List two required properties for the bowl.

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b) Name a suitable material for the bowl. (1 mark)

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c) Name an alternative metal that could be used. (1 mark)

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### How did you do?

1-3 correct .....start again

4-6 correct .....getting there

7-9 correct .....good work

10-12 correct .....excellent