

# RESISTANT MATERIALS QUESTIONS

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On behalf of The World Association of Technology Teachers

## W.A.T.T.



World Association of Technology Teachers

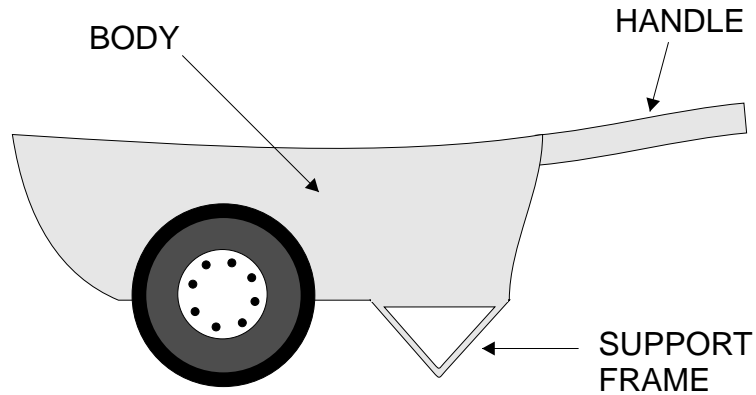
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# RESISTANT MATERIALS EXAMINATION QUESTIONS

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The wheel barrow below is manufactured to be strong and mobile. Its main purpose is light gardening work. The large pneumatic wheel allows the wheel barrow to be moved over a typical garden without too much effort.



1. The body is manufactured from aluminium. Name two advantages of aluminium over steel.

ADVANTAGE 1: \_\_\_\_\_

ADVANTAGE 2: \_\_\_\_\_

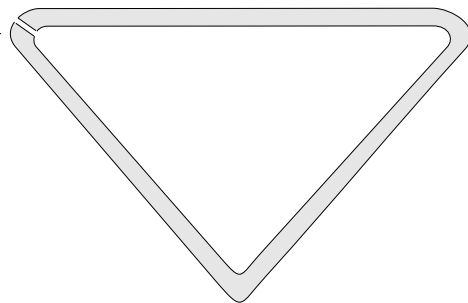
2. What is meant by a pneumatic wheel / tyre? \_\_\_\_\_

3. What advantage does a pneumatic tyre have over other types of tyre? \_\_\_\_\_

4. The triangular frame is manufactured from one mild steel round section bar. It has been folded (bent) into the form of a triangle and joined together.

With the aid of a sketch, describe a technique that could be used to join the mild steel bar

JOIN HERE →



TECHNIQUE NAME: \_\_\_\_\_

SKETCH

DESCRIPTION: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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