ENGLAND GCSE DESIGN AND TECHNOLOGY EDEXCEL · UNIT 3 · 10 QUESTIONS

Material Categories — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A backpack has a PVC rain cover. What is PVC used for?**

- A Aircraft parts that must be very light, which can happen in some cases
- B Drinks bottles that must be clear
- C Food packaging that must be soft
- D Pipes and window frames because it is tough and weather resistant

Understand It with Pulse | Flag a mistake

2 **A wooden chair is made from mahogany. Why is mahogany used for furniture?**

- A It is very light and soft
- B It cannot be polished
- C It is strong and steady and has a rich colour
- D It is the cheapest timber, which can happen in some cases

Understand It with Pulse | Flag a mistake

3 **What is corrugated board made from?**

- A A fluted layer between two flat layers of board
- B Plastic fibres set in resin
- C A single flat sheet of paper only, in some situations
- D Layers of timber glued together

Understand It with Pulse | Flag a mistake

4 **Why is cedar used outdoors?**

- A It is very heavy and dense, in some situations
- B It naturally resists rot and insects
- C It is the hardest timber
- D It cannot be cut by hand

Understand It with Pulse | Flag a mistake

5 **What is duplex board?**

A Board with a white coated side for printing and a grey back

B Board that is always waterproof

C Board made from two layers of timber

D Board made from plastic and glass fibres, in some situations

Understand It with Pulse | Flag a mistake

6 **Which of these is a hardwood?**

A Cedar

B Larch

C Oak

D Pine

Understand It with Pulse | Flag a mistake

7 **What is a knitted fabric?**

A. A fabric made by bonding fibres together

B. A fabric made by looping yarns together so it stretches

C. A fabric made from a single sheet of plastic

D. A fabric made by interlacing warp and weft yarns, in some situations

Understand It with Pulse | Flag a mistake

8 **Which of these is a thermosetting polymer?**

A. Epoxy resin

B. Polypropylene

C. Acrylic

D. Polyethylene

Understand It with Pulse | Flag a mistake

9 **Which of these is a ferrous metal?**

A Aluminium, in some situations

B Copper

C Mild steel

D Zinc

Understand It with Pulse | Flag a mistake

10 **What is a microcontroller in a system?**

A A chip that only gives out light

B A chip that cannot be programmed

C A programmable chip that reads inputs and controls outputs

D A chip that only stores electricity, which can happen in some cases

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. D
2. C
3. A
4. B
5. A
6. C
7. B
8. A
9. C
10. C

© 2026 Brett Robbins. All Rights Reserved.