

Max's Textile Technology Challenge

Learning objective: To understand the properties of fabrics, joining techniques, and the design process for textile products.

Help Max the monkey solve these textile puzzles! Read each question carefully and select or write the best answer. Remember, textiles are all about choosing the right material for the right job.

Answer Key: 1.C, 2.True, 3.Synthetic, 4.A, 5.Stitch, 6.False, 7.Appliqué, 8.B, 9.Template, 10.A. Textiles are materials made from fibres. Natural fibres come from plants or animals, while synthetic fibres are man-made. Designers use templates to ensure accuracy when cutting fabric.

Word bank: Seam · Stitch · Template · Felt · Synthetic · Natural · Appliqué

1. 1. Which of these is a natural fiber? A) Polyester B) Nylon C) Cotton* D) Acrylic (1 mark)

2. 2. True or False: A 'seam' is the line where two pieces of fabric are joined together by sewing. (1 mark)

3. 3. What term describes a fabric made from plastic fibres, such as polyester? (One word answer) (1 mark)

4. 4. Why do designers use a paper pattern or template? A) To ensure accurate cutting* B) To change the color C) To make the fabric softer D) To save money (1 mark)

5. 5. What is the name of the individual loop made when using a needle and thread? (One word answer) (1 mark)

6. 6. True or False: You should always cut fabric without using a template to save time. (1 mark)

7. 7. What technique involves sewing a smaller piece of fabric onto a larger piece to create a design? (One word answer) (1 mark)

8. 8. Which stitch is best for joining two pieces of fabric together securely? A) Running stitch B) Backstitch* C) Decorative stitch D) Overcast stitch (1 mark)

9. 9. Before sewing, what do you use to hold two pieces of fabric in place? (One word answer) (1 mark)

10. 10. If a fabric is 'durable', it means: A) It is long-lasting and tough* B) It is very soft C) It is see-through D) It is made of wool (1 mark)

Draw: Draw a design for a new, colorful pencil case. Label the different parts, such as the 'seam', the 'fastening' (like a zip or button), and the type of fabric you have chosen.



Extension challenge: Max wants to make a fabric pouch that costs £4.50 to produce. If he sells it for £7.00, how much profit does he make on each pouch? Design a quick advertisement for his product.