

Smart materials

Questions for Summer Study answer these questions in the yellow DIRT box below and complete the exam question overleaf:

What is a Smart Material?

Describe the characteristics of a Smart material use the keywords **Stimuli** and **Temperature**.

Describe the smart material Thermo Chromics and 1 other smart material.

Give 2 examples of items made from Smart Materials and why you think the specific material has been used.

This question is about materials technology.

2. (a) The sports training shirt below has been made using a thermochromic smart material.



Explain why a thermochromic smart material has been used. [3]

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Teacher Feedback: