PHOTOCHROMIC INK

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On behalf of The World Association of Technology Teachers

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This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet.
1. What is photochromic ink?

2. The three diagrams below, show a UV light torch shining ultra violet light on a test tube filled with photochromic ink.

What will happen to the ink when the light is switched on?

3. Complete the diagram, by adding shade to represent what happens to the ink, after the time scale written below each diagram.

4. With the aid of a sketch / sketches and notes, describe a practical application of photochromic inks.