



# Engineered Biomimicry

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## Engineered Biomimicry: Chapter 11. Structural Colors



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Structural colours originate in the scattering of light from ordered microstructures, slim films, and even irregular arrays of electrically little particles, however they are not produced by pigments. Structural shades could be implemented industrially to create structurally colored paints, materials, cosmetics, and sensors. For example the flashing sparks of colours in opals and the excellent hues of some butterflies such as for example *Morpho rhetenor*.



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