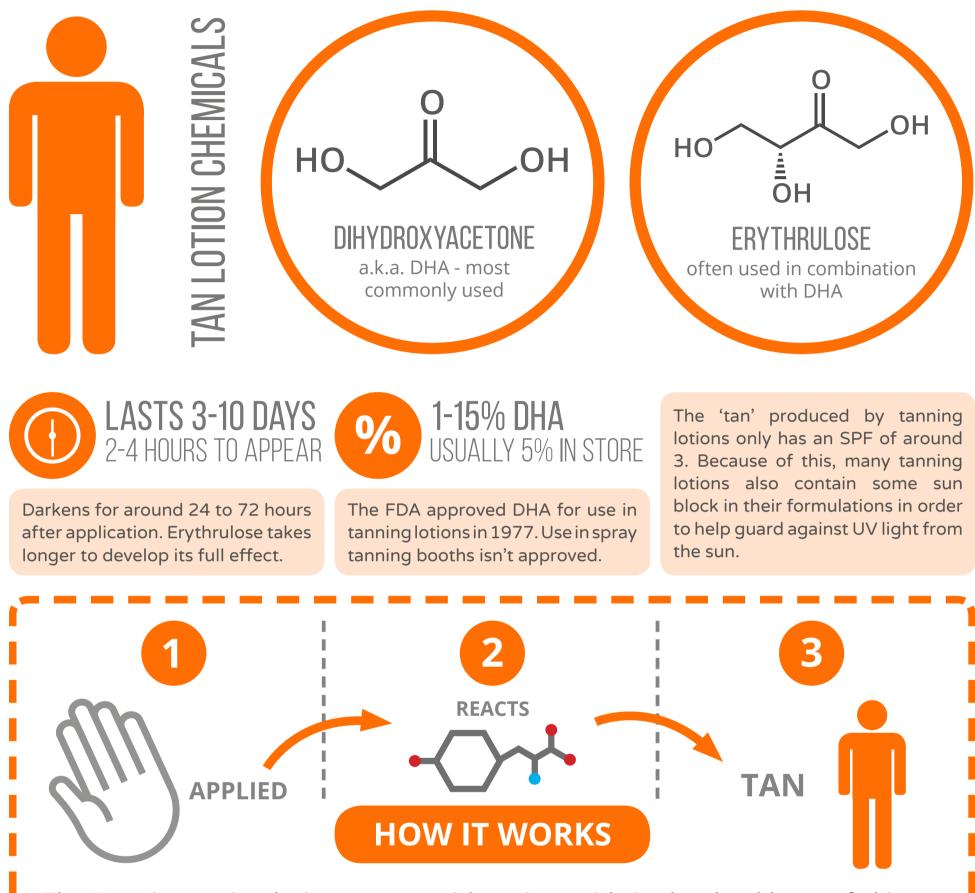
THE CHEMISTRY OF FAKE TAN

Sunless tanning has become a popular way of getting a tanned look for the summer without the potential skin damage from sun exposure. This graphic takes a look at how fake tanning products work, and some of the safety concerns surrounding them.



The DHA in tanning lotions reacts with amino acids in the dead layer of skin on the skin's surface. This occurs via the Maillard reaction - the same type of reaction that occurs in baking and roasting of foods such as meat during cooking. This reaction leads to the production of melanoidins, which are the chemicals that



after application.

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concentrations.

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