

BIOLOGY PRESENTATION

Cigarette contents

DONE BY : **EE** (EDUCATION EMPERORS)

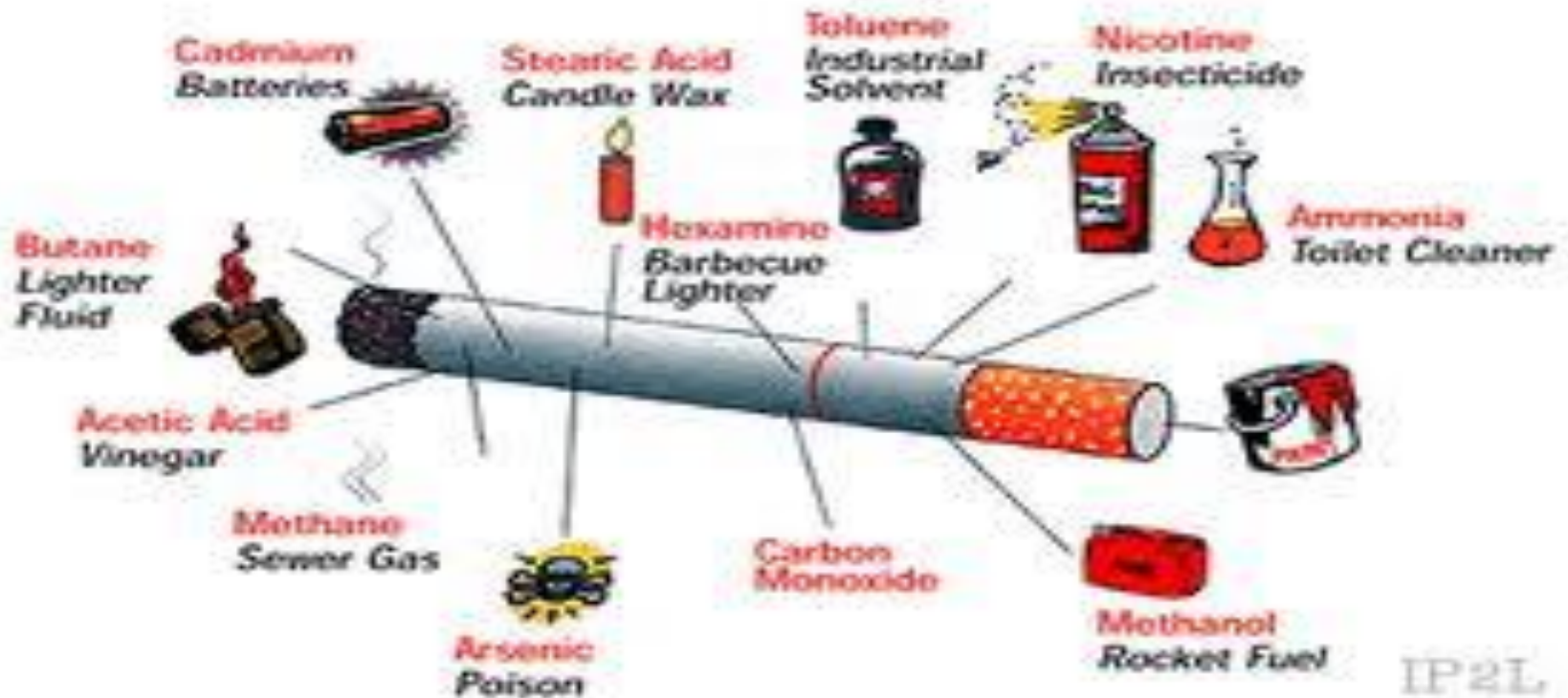
KRISHNARAJ , ROHIT , JAVEED , YAMIN & VARUN.

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Contents in a cigarette

What is in a Cigarette?



NICOTINE (PESTICIDIC) IN CIGARETTE



NICOTINE (PESTICIDIC) IN CIGARETTE

- Nicotine is a potent parasympathomimetic alkaloid found in the nightshade family of plants and a stimulant drug. It is a nicotinic acetylcholine receptor (nAChR) It is made in the roots of and accumulates in the leaves of these plants. It constitutes approximately 0.6–3.0% of the dry weight of tobacco and is present in the range of 2–7 µg/kg of various edible plants. It functions as an antiherbivore chemical; consequently, nicotine was widely used as an insecticide in the past and nicotine analogs such as imidacloprid are currently widely used.
- In lesser doses (an average cigarette yields about 1 mg of absorbed nicotine), the substance acts as a stimulant in mammals, while high amounts (50–100 mg) can be harmful. This stimulant effect is likely to be a major contributing factor to the dependence-forming properties of tobacco smoking. The nicotine content of popular American-brand cigarettes has slowly increased over the years, and one study found that there was an average increase of 1.78% per year between the years of 1998 and 2005.
- Nicotine is a hygroscopic, colorless oily liquid that is readily soluble in alcohol, ether or light petroleum. It is miscible with water in its base form between 60 °C and 210 °C.

AMMONIA (BATHROOM CLEANER)



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- Ammonia is a toxic, colorless gas with a very sharp odor. Ammonia occurs naturally in the environment and is also a product of human activity.
- Ammonia compounds are commonly used in cleaning products and fertilizers. Ammonia is also used to boost the impact of nicotine in manufactured cigarette.

END

