EXPERIMENTS

to determine the effects of smoking on the lungs



courtesy of:

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EXPERIMENT: TAR-COLLECTOR

PERFORM THIS EXPERIMENT OUTDOORS ONLY!

MATERIALS:

- a) 1 ketchup or mustard squeezable bottle (empty soap bottle may also be used)
 * the tip must be large enough to hold a cigarette
- b) 1 kleenex or a couple of cotton balls
- c) cigarettes (borrow from your parents or someone you are convincing to guit smoking)
- d) matches or a lighter

METHOD:

- Remove lid from bottle. Rinse the container thoroughly.
 Place half of a loosely packed kleenex or a couple of cotton balls in the lid of the empty bottle. Screw the lid back on.
- Place cigarette in the tip of the bottle. You may need to cut a portion of the lid off to ensure that the cigarette fits.
- Light the cigarette. Simulate inhalation by squeezing
 the body of the bottle with a slow and regular pumping action.
 Repeat this until cigarette is almost finished.
 Repeat action with two or more cigarettes for this will give the best results.
- Withdraw cotton or kleenex from lid to show the accumulation of tar.

OBSERVATION:

- a) observe the colour of the kleenex.
- b) take note of the smell
- c) observe the collection of the tar inside the lid and on the threads.
- d) examine the colour of the base of the cigarette filter.