

## How Smoking affects the Lung



The photo shows a **normal human lung** from a middle-aged man who lived in the city and did not smoke. This lung has been inflated with fluid so that it is shown in the position of normal inhalation, as it would appear after a deep breath. The black specks scattered throughout the lung represent the effects of city smog and are caused by tiny carbon particles which have filtered into the lungs through the years. Note the smooth, regular contour of the normal lung.



The photograph above shows a **lung with emphysema**. Note the black color from the by-products of years of smoking. Giant, hollow bubbles can be seen at the top, evidence of advanced emphysema with progressive destruction of the air sacs within the lung. Tobacco tars are the principal cause of emphysema. A one-pack-a-day smoker puts approximately one quart of tobacco tars into his lungs every year