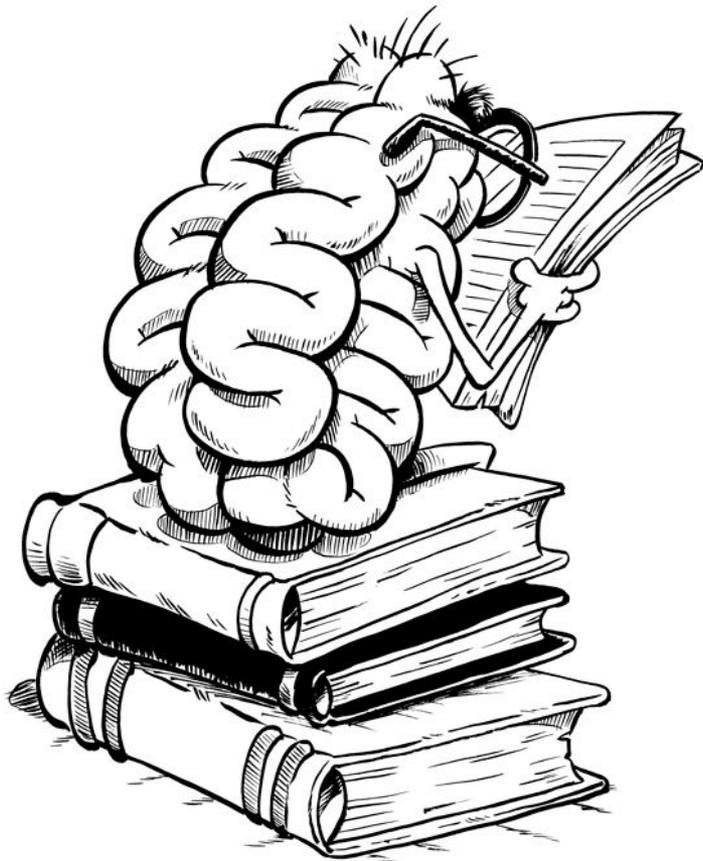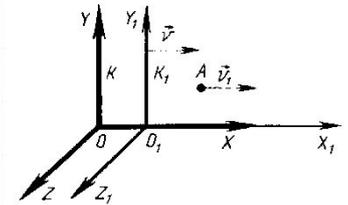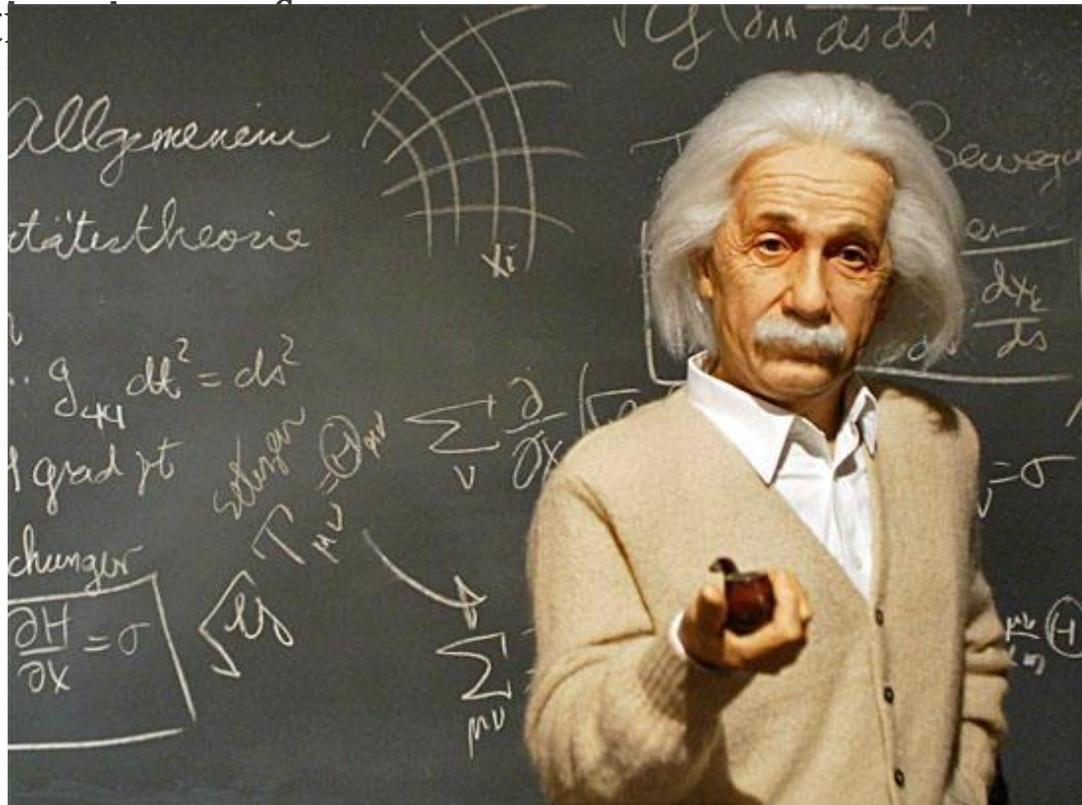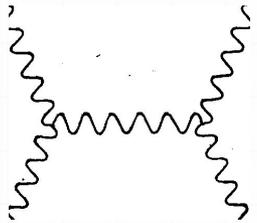# Albert Einstein

0 Any list of the greatest thinkers in history will contain the name of the brilliant physicist Albert Einstein.

$$y' = y \quad z = z'$$

$$\vec{p} = \frac{m_0 v}{\sqrt{1 - \dfrac{v^2}{c^2}}}$$

- His theories of relativity led to entirely new ways of thinking about time, space, matter, energy, and gravity.

- Einstein`s work led to such scientific advances as the control of atomic energy and to some of the invest

$$x = \frac{x' + vt'}{\sqrt{1 - v^2/c^2}}$$

$$x = x' + vt$$

0 Einstein was born in Ulm, Germany, on March 14, 1879, of Jewish parents.

0 He was shy and curious child.

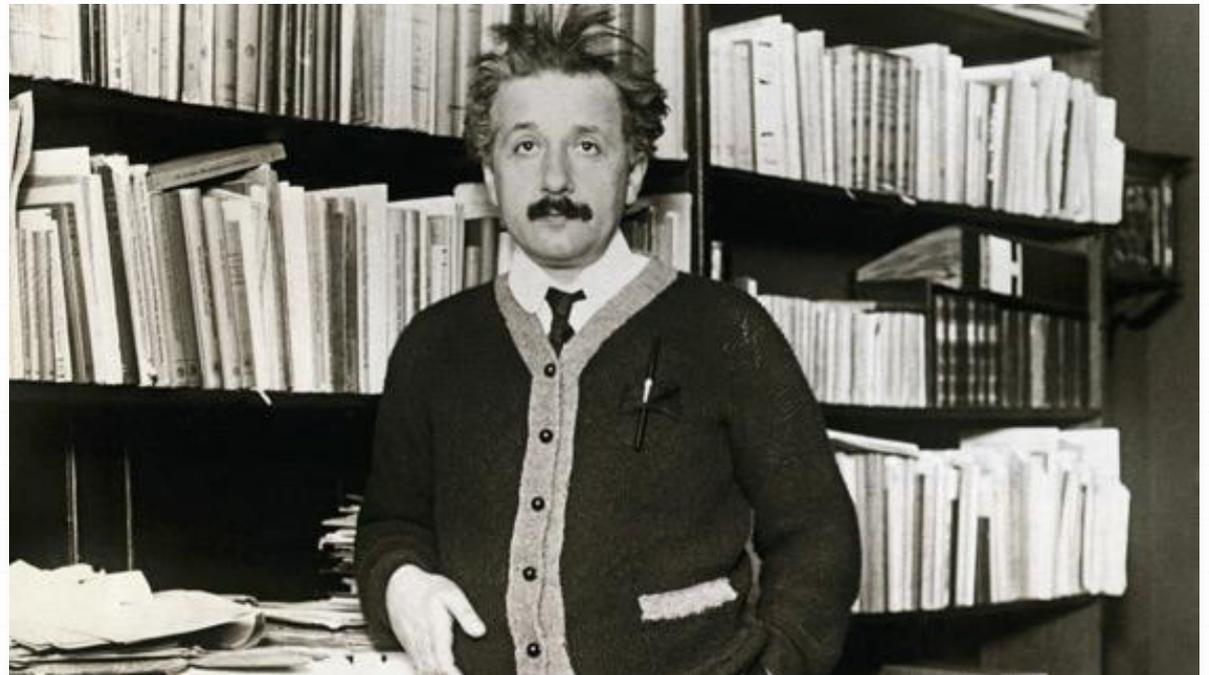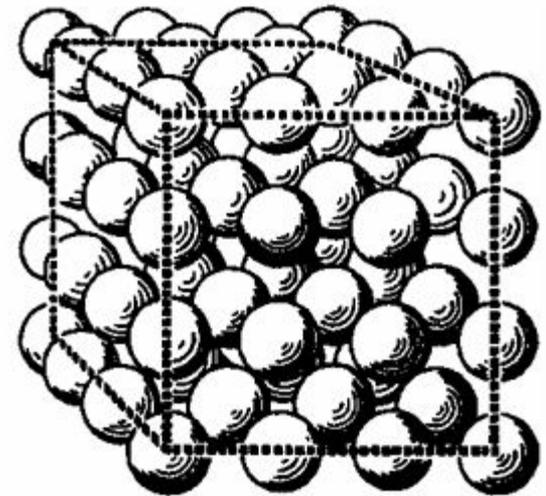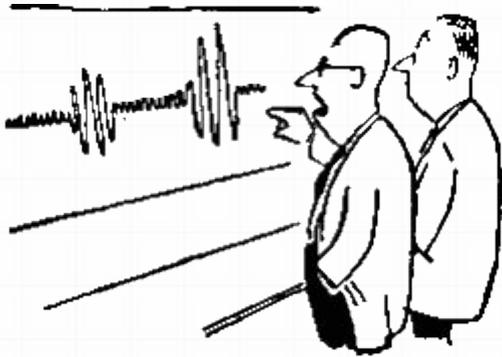

Ulm, Germany

O He attended a Munich elementary school where he showed an interest in science and mathematics but did poorly in other areas of study.

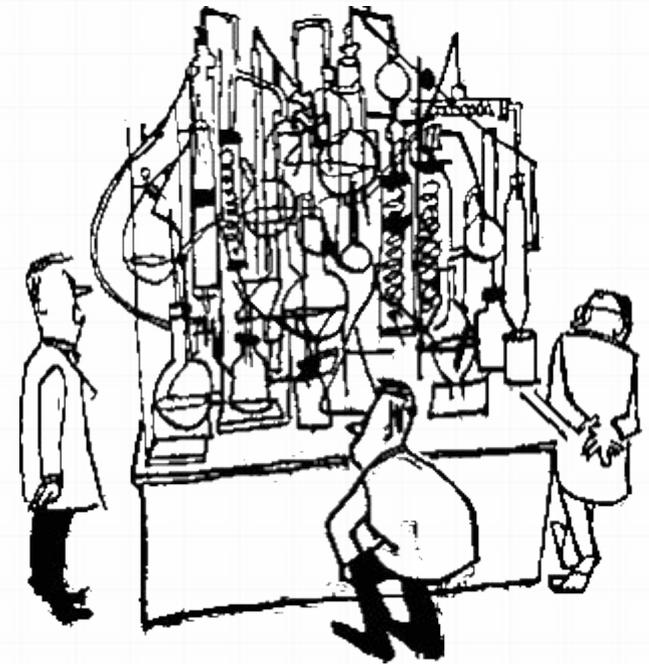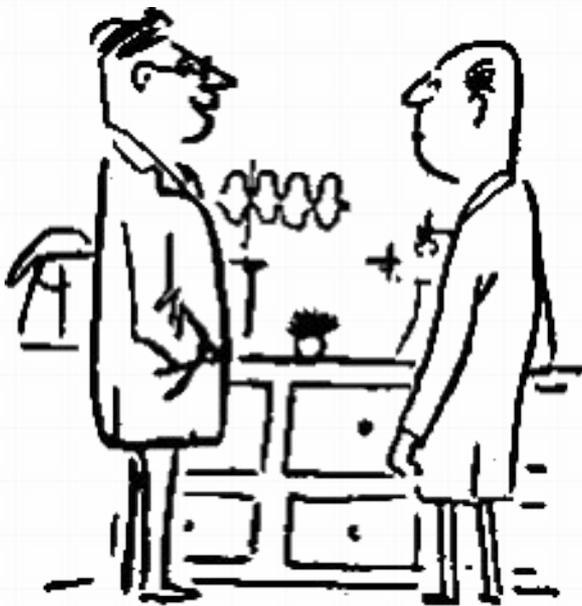O He finished high school and Technical College in Switzerland.

0 In 1905, at the age of 26, he published five major research papers in an important German physics journal.

0 He received doctorate for the first paper.

0 Publication of the next four papers forever changed mankind`s view of the universe.

0 One of his papers laid the foundation for the photon, or quantum, theory of light.

0 In his works Einstein showed that time and motion are relative to the observer, if the speed of light is constant and natural laws are the same everywhere in the universe.
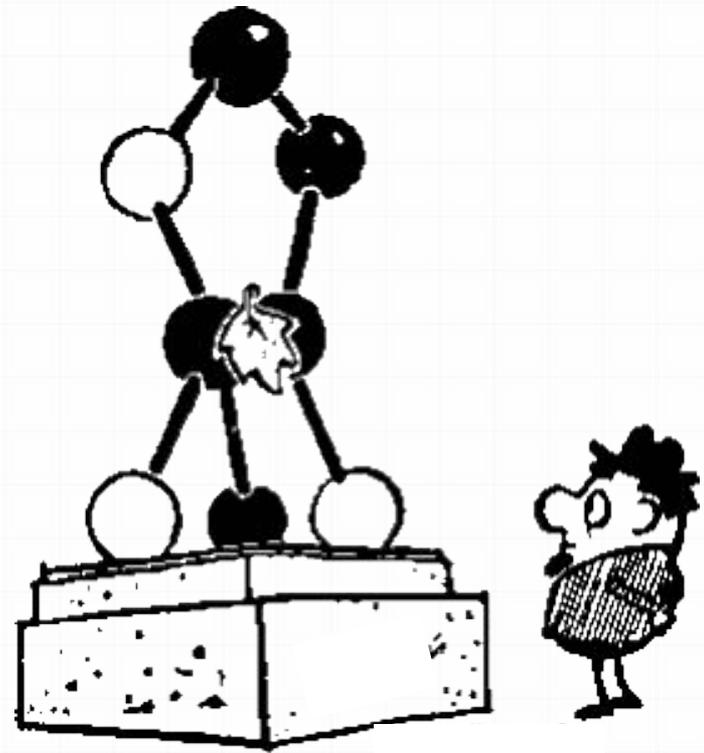
O Television and other inventions are practical applications of Einstein`s discoveries.
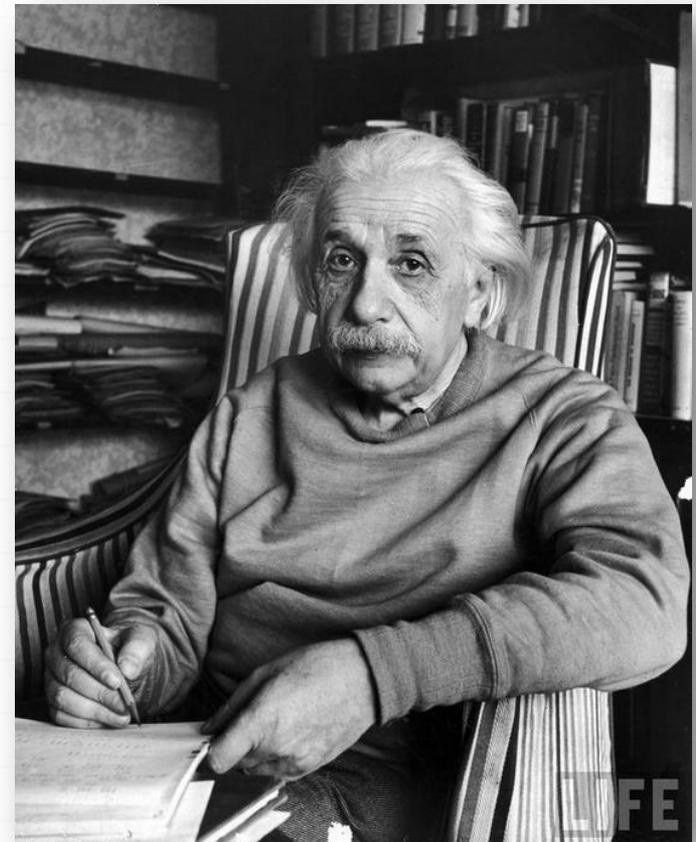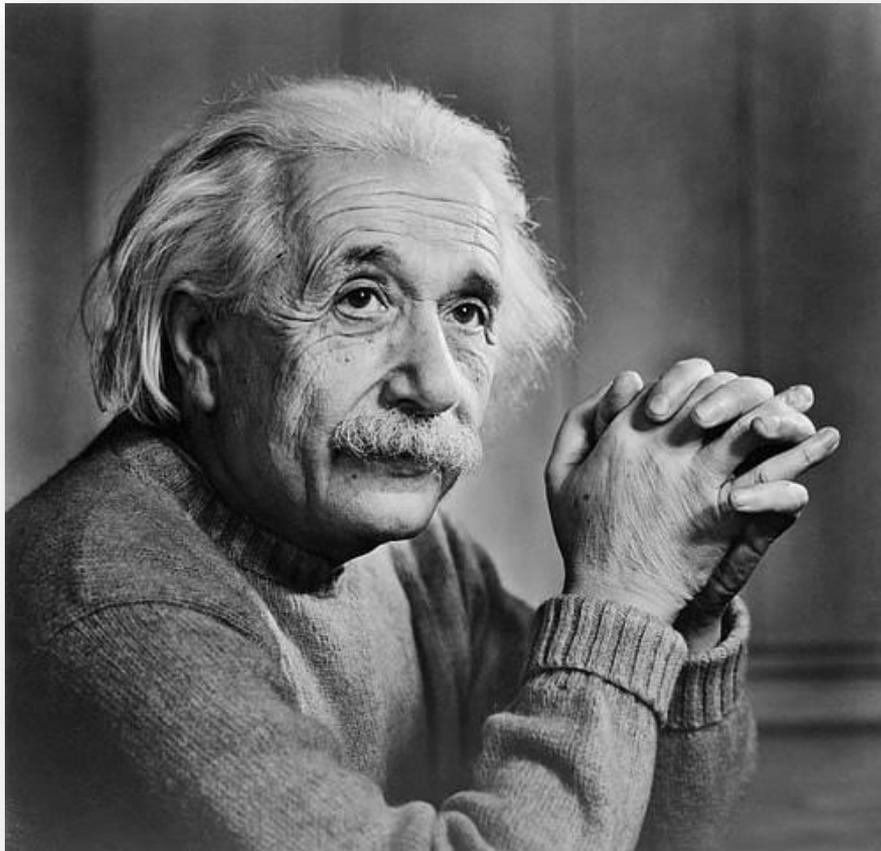
0 His fourth paper was a mathematical addition to the special theory of relativity.

0 In 1916 Einstein published his general theory of relativity.

O World-wide fame came to him in 1919 when the Royal Society of London announced that his general theory of relativity had been confirmed.

0 Einstein died in Princeton, on April 18, 1955.