

## Are religion and science related or contradictory?

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### ABSTRACT

Many of us think that science and religion are related. There are also those who think they are not related to each other. So which one is right?

**Key-words:** Religion, Science, Galileo, Albert Einstein

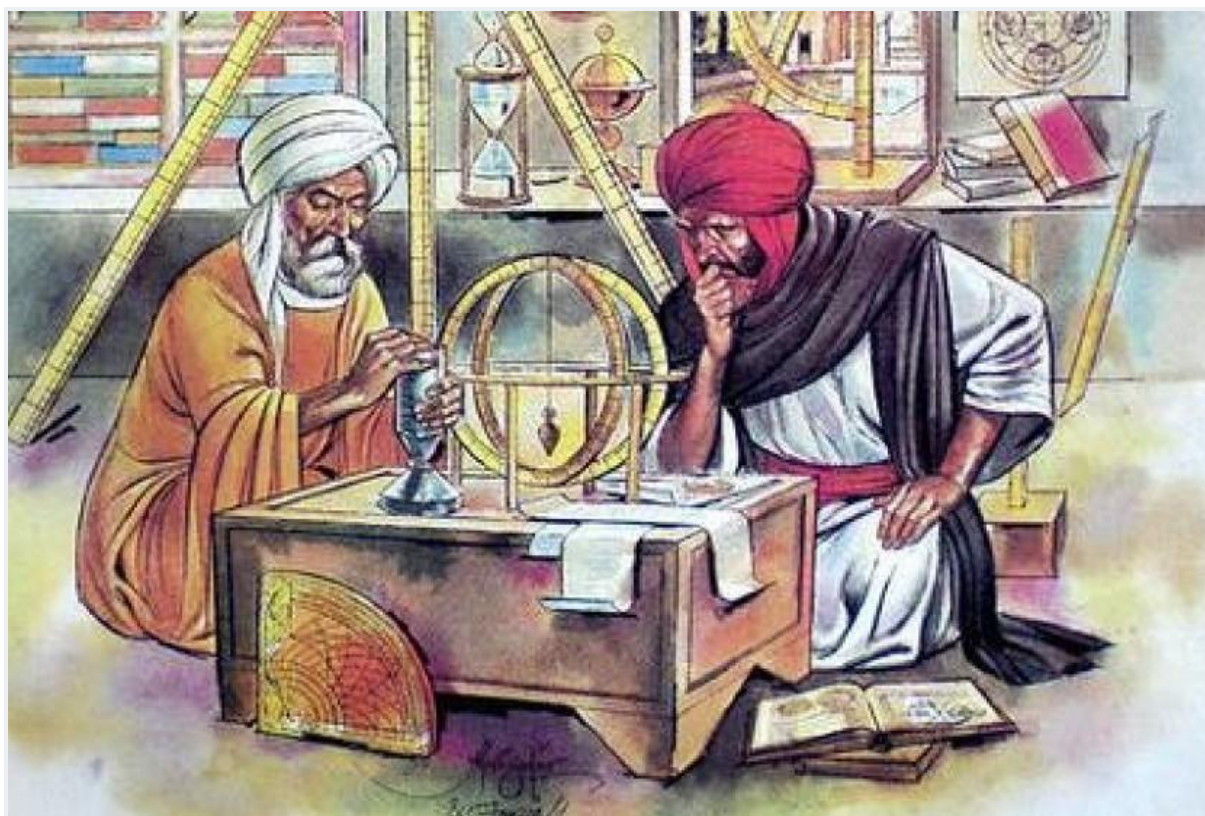
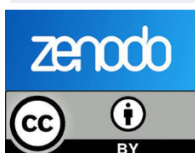


Illustration of the differences between science and religion

Therefore, it should be noted that all major religions were born in the pre-modern and pre-scientific era, where this era is usually called the era of mythology. The last major religion, Islam first appeared around 610 AD. Meanwhile, the scientific revolution as a marker of the modern, scientific era did not occur until around 1500



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AD. It all started when the ship Magellan returned to Spain after a three-year voyage with a distance of 72,000 kilometers. Previously, no human had dared to sail around the Earth. At that time, flat earth was the opinion of many people in this pre-scientific era.

The scientific era was marked by Galileo Galilei and Johannes Kepler who built scientific ways of thinking into the history of modern life. If Westerners want to be a little honest with history, then the scientific era should be marked by Ibn Haytham as the first person in history to formulate a scientific method of study and a scientific way of thinking that has survived to this day.

The scientific viewpoint brought about by this revolution is indeed in conflict with the mythological perspective of the previous era. At that time, there were indeed many scientists who received a rejection by the clergy.

### **The story of characters who try to connect religion with science**

There have been many clashes between belief and science, the most famous of which is probably Galileo's denunciation of Catholicism's persecution of heretical groups in Rome in 1633.

At that time, common knowledge, science, and the Church saw the Earth as the center of the universe. But through observations using his telescope, Galileo claimed that the Earth revolved around the Sun. Some legends say that Galileo was arrested and even tortured by the Catholic Church. None of this happened, but he was

accused of being against religion, put under house arrest, and forced to plead guilty and to dispute the "errors and heresies" of his scientific work. But in the end, the church also admitted the error of its views by revoking Galileo's work from the index of banned books, although this was only done in the 19th century.

Newton also explained why all the planets revolve around the sun. According to him, all the planets move in elliptical orbits around the sun as a result of two unequal motions, the first is the straight motion when the solar system was formed and the second is the motion of the sun due to gravity. Thus, Newton also proved that the same laws concerning objects in motion apply everywhere in the universe.

And he also refuted the medieval belief that there was one set of laws for the heavens and another for the earth. The heliocentric worldview found its final confirmation and explanation. When Newton proved that certain laws of nature apply to the entire universe, one might think that by doing so he would undermine the belief in the power of God. But Newton's firmness was never shaken, and he also considered natural law as proof of the existence of an all-powerful and omnipotent God.

## Other Figures

Other figures, such as Albert Einstein, have a well-known view, namely, "science without religion is lame and religion without science is blind." This brings the concept of integration between science (science) and religion. Without religion, science will

lose new inspirations to develop, so religion without science will be closed and exclusive. According to him, religion and science are two things that cannot be separated because they support each other.

### **Science and religion must have a difference**

It should also be noted that science continues to develop following the progress of time because of its dynamic nature. Meanwhile, religion works because it is dogmatic. Religion cannot change much because it must refer to a figure limited by static space and time. Unlike science, it did not worship anyone.

Some people are known to think that religion and science are united, but some people will never be united. For hundreds of years, thinkers who support religion and science have tried to reconcile the two. Many fundamental differences seem irreconcilable. Religion begins with belief and is resistant to change, is based on faith and is dogmatic and subjective, and emotional, while science begins with doubt and can experience change at any time and always tests its hypotheses and theories through experience and experimentation, and is based on factual observation and is rational objective.

Are religion and science related?

There are 2 viewpoints related to science and religion, namely:



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1. Let's see if there is a religion whose conception creates faith and is rational at the same time or if all scientific ideas that are contrary to religion, give no hope and do not give rise to optimism.
2. It forms the basis for discussing the relationship between religion and science, that is, the question of how these two affect human beings.

It should be noted that the era of the easing of the Conflict between Religion and Science has begun to occur in the 21st century. Where society and scientists are beginning to open up about issues of religion and science, where a new paradigm has emerged in science, the deterministic mechanistic becomes relativistic probabilistic. According to the author, religion and science must come together and be related to each other, and can make sense of and influence each other. Because as Albert Einstein said, "science without religion is lame and religion without science is blind".

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