

Egyptian calendar of 365 days, 12 months, 30 days and 24 hours. 5000 BC

The purpose was to match different periods in **agriculture**.

Buildings were oriented based on where the Sun & Moon rose and descent.

Desire to **perserve human remains** by **embalming** and **mumification**.

Oldest known medical document; The Edwin Smith Papyrus, with **medical treatments** based on **animal, mineral** and **vegetable substances**. 1550 BC

A spherical Earth 600 BC

Xenophanes examined **fossils** 450 BC

Plato with a **geocentric** model 388 BC

Aritotle classifies "**living things**" 350 BC

Herophilos dissected the **human body** 300 BC

Samos with a **heliocentric** model 270 BC

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Aryabatha the Indian astronomer 500 AD
Calculated the diameter of the Earth
Theorised the source of moonlight

Odlest known **astrolabe**, an arabic instrument used to navigate and predict celestial movements 928 AD

Copernicus defined **Mars** as a planet 1543 AD

The first microscopes made in the Netherlands 1590's

Newton creates the **mirror telescope** 1668 AD

Leeuwenhoek observes bacteria 1683 AD

Newton's law of gravity 1687 AD

Astronomy and **astrology** are seperated into two different fields of study 1700's

The term **organism** is temporarily defined 1703 AD

Priestley theorises that **plants produce gasses** like carbon dioxide and oxygen 1771 AD

Organism is **defined** as we know it today 1834 AD

Virchow publishes his **cell theory** 1858 AD

Darwin publishes his **theory of evolution** 1859 AD

Sutton & Boveri publishes their theory that **chromosomes** carry **heritage information** 1902 AD

The Big Bang Theory 1920 AD

DNA's role in **heritage** confirmed 1952 AD

The foundation of **NASA** 1958 AD

Russian Y. Gagarin, **first man in space** 1961 AD

Mariner 4 flew past Mars 1965 AD

The first man on the Moon 1969 AD

The discovery of **Lucy**, "the first human" 1974 AD

Opportunity & Spirit landing on Mars 2004 AD

Curiosity landing on Mars 2012 AD

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