

Logic, theoretical physics, statistics, algebra have something in common and they are all regarded as \_\_\_\_\_ science

\*formal\*

Mathematics deals with social institutions and society? TRUE OR FALSE.

\*FALSE\*

Religion believes that the universe is governed by \_\_\_\_\_ laws

\*spiritual\*

Observations that are made with the aid of instruments is called \_\_\_\_\_ observation

\*Indirect\*

\_\_\_\_\_ explains how things are related or their common properties

\*Theory\*

Your dead body when discovered in the next eight hundred years, for instance, will be regarded as \_\_\_\_\_

\*Fossil\*

Another name for doctrine of fixed species is \_\_\_\_\_

\*Creationism\*

The theory of spontaneous generation was disproved by \_\_\_\_\_

\*Louis Pasteur\*

Laws of nature exist simply because natural phenomena are \_\_\_\_\_ in character

\*Uniform\*

\_\_\_\_\_ is the third step of scientific method

\*Hypothesis formulation\*

\_\_\_\_\_ is the name given to the procedures of doing science

\*Scientific Methods\*

Another name for basic science is \_\_\_\_\_

\*Pure science\*

Among ancient Africans the \_\_\_\_\_ of Mali were reputed for their vast knowledge of astronomy

\*Dogon\*

\_\_\_\_\_ is the author of "Elements of Geometry"?

\*Euclid\*

Democritus believed that everything is achieved by combination of \_\_\_\_\_

\*Atoms\*

\_\_\_\_\_ introduced inductive reasoning to scientific and philosophical discourses

\*Socrates\*

The Babylonian unit of length was \_\_\_\_\_

\*Finger\*

The Greek father of modern medicine is \_\_\_\_\_

\*Hippocrates\*

Love of wisdom is said to be the etymological meaning of \_\_\_\_\_

\*Philosophy\*

In scientific method hypothesis is tested during \_\_\_\_\_

**\*Experimentation\***

The Latin word for knowledge is \_\_\_\_\_

**\*Scientia\***

Subtraction, addition, multiplication, etc are rules of \_\_\_\_\_

**\*Mathematics\***

The doctrine that each species of living things was created by God is called \_\_\_\_\_

**\*Creationism\***

The explanation that individuals with superior physical or behavioural attributes might have an edge in survival battle is known as \_\_\_\_\_

**\*Natural selection\***

\_\_\_\_\_ is rested on a scientific law known as the Law of uniformity of nature

**\*Induction\***

The force which pulls every object in the universe toward every other object in the universe is called \_\_\_\_\_

**\*Gravitation\***

\_\_\_\_\_ is the name which the ancient Greeks gave the Egyptian greatest physician of the ancient time

**\*God of medicine\***

The Babylonian gods lived in \_\_\_\_\_

**\*Heaven\***

The type of writing invented by ancient Egyptians is called \_\_\_\_\_

**\*Hieroglyphics\***

\_\_\_\_\_ is often referred as the father of western philosophy

**\*Thales\***

The Pythagorean theory is named after \_\_\_\_\_

**\*Pythagoras\***

The atomic theory was invented by \_\_\_\_\_

**\*Leucippus\***

Aquinas regarded \_\_\_\_\_ as the source of all knowledge

**\*God\***

Einstein held that the only absolute unchanging quantity in the universe was \_\_\_\_\_ of light

**\*Speed\***

The only single surviving species of hominids is the \_\_\_\_\_

**\*Homo sapiens\***

What is the name given a type of science that utilises theories, rules and concepts?

Formal science

What name do we give to science when it is defined with reference to science lecturers you know as well as other experts in the field?

Science as an institution

Why do you think scientists cannot investigate spirits?

They cannot be observed

My guess that the antiretroviral drugs used in the treatment of HIV patients can also be deployed successfully in the treatment of cancer is called what in the chain of scientific method?

Hypothesis formulation

What do we call a hypothesis confirmed through experimentation?

Theory

What is the name given to George Cuvier's effort to explain the changes which fossils undergo?

Catastrophism

What name do you give to a theory that was true some 1000 years ago and is still true today whether in America, Africa or Australia?

Natural law

Give an example of objects that cannot be perceived by the senses.

Angels

The fact that scientific claims can be verified by others adopting the same method is proof of what in science?

Objectivity

Which of these is not a type of scientific observation?

Octagonal observation

Why is the weather hot today instead of cold? is an example of what in scientific steps

Definition of problem

Which step of the scientific method is concerned with guessing?

Hypothesis formulation

What is the mark of a good theory?

Its predictive value

Who disproved the theory of spontaneous generation?

Louis Pasteur

\_\_\_ science has deductive character

Formal

Which of these is true of theory?

It can become obsolete

How many days does it take the earth to complete one revolution around the sun?

365

Which of these is not a manifestation of man's creative capacity?

Procreation

Which of these is not a factor in the development of man from apelike creature?

Development of sex organs

Falsifiability as a scientific attitude is credited to \_\_\_\_

Karl Popper

Which of these is not an example of science in application?

Mathematics

Which of the following consists of man's earliest natural tools?

Hands and teeth

Which of these is not among the spirit of inquiry?

Pursuit of wealth

From who did the Islamic scholars borrow the idea of Zero?

Hindu Mathematicians

Fire was discovered during which age?

Stone age

The traditional explanation of reality does not involve which of these?

Causality

Who first propounded the theory of universal gravitation?

Isaac Newton

Which of these is not among the great groups of organisms?

Insects

Which of these is the naturalist who independently arrived at theory of evolution at the same time with Darwin?

Alfred Wallace

Which of the following is not a rule of Mathematics?

Triangulation

\_\_\_\_\_branch of science studies objects and phenomena which can be observed through any of the senses

Empirical science

The religious centres of Kingdom of Egypt were administered by who?

Priest-scholars

In which country was the lunar calendar invented?

Egypt

Who pioneered the division of day into hour?

Babylonians

To whom do we attribute the critical tradition of medicine?

Anaximander