

Nature of Science

Sr	Questions	Answers Choice
1	The workig of refrigeration and air conditionig involves.	A. Electromagnetism B. thermodynamics C. Climate science D. Mechanics
2	Automobile technology is based on	A. Thermodynamics B. Acoustics C. Electromagnetism D. Optics
3	Which branch of science plays an important role in engineering.	A. Biology B. Physics C. Chemistry D. Life Science
4	The color of a door is brown, is an example of.	A. Law B. Prediction C. Observation D. Hypothesis
5	A graph of an organized data is an example	A. Collecting data B. Analyzing data C. Asking question D. Forming a hypothesis
6	A user frindly software application of smart phone use	A. Laser Technology B. Information Technology C. Medical Technology D. Electronic technology
7	Which branch of science plays vital role in technology and neginieering.	A. Biology B. Chemistry C. Physics D. Geology
8	The Branch of Physics that is most important when studying how glasses help people see.	A. Optics B. Thermodynamics C. Electromagnetism D. Mechanics
9	A hypothesis	A. May or may not be testable B. Is supported by evidence C. Is a possible answer to a question D. All of these
10	The branch of Physics that deals with the particles such as neutrons and protons.	A. Electricity B. Plasma Physics C. Nuclear Physics D. Solid state Physics
11	Physics is a branch of	A. Biological science B. Physical Science C. Life science D. Social science
12	Which Statemtn below correctly identifies the differecne between laws and theories.	A. Laws describe phenomena , while theories explain why phenomena exist B. Laws are a statment of fct, while theories are statemtn of opinion C. Laws explain why phenomena exist, while theories explain how D. Laws are a prediction of phenomena, while theories are an explanation.
13	The statemtn "If I do not study for this test, then I will not get good grade" is an example of.	A. Prediction B. Law C. Theory D. Observation
14	When studying how air conditiners cool your house, then it is	A. Optics B. Nuclear Physics C. Thermodynamic D. Electromagnetism

15	Which of the following are methods of investigation	A. Research B. Experimentation C. Observation D. All of these
16	What is the ultimate truth of a scientific method.	A. Hypothesis B. Experimentation C. Law D. Theory
17	Physics is one of the branches of.	A. Life science B. Social science C. Biological sciences D. Physical sciences
18	Why do scientists develop a hypothesis before conducting research.	A. Hypotheses help a researcher decide which observations to record and which to ignore B. It gives them direction on how to interpret the results of their research C. It helps to predict outcomes and define the parameters of the research D. Hypotheses give the researcher an outcome to shape their work around
19	What is the best definition of the term "theory", as it is used in science.	A. A theory is a guess or hunch about something that has occurred in nature B. A theory is a comprehensive set of ideas explaining a phenomenon in nature C. A theory is based on verifiable laws and can be proven true D. A theory is a hypothesis that uses laws and observation to make an assumption.