

## Nature of Science

Sr	Questions	Answers Choice
1	Physics is one of the branches of.	A. Life science B. Social science C. Biological sciences D. Physical sciences
2	Which branch of science plays an important role in engineering.	A. Biology B. Physics C. Chemistry D. Life Science
3	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
4	When studying how air conditioners cool your house, then it is	A. Optics B. Nuclear Physics C. Thermodynamic D. Electromagnetism
5	The Branch of Physics that is most important when studying how glasses help people see.	A. Optics B. Thermodynamics C. Electromagnetism D. Mechanics
6	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 give 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
7	Which Statement below correctly identifies the difference between laws and theories.	A. Laws describe phenomena , while theories explain why phenomena exist B. Laws are a statement of fact, while theories are statement of opinion C. Laws explain why phenomena exist, while theories explain how D. Laws are a prediction of phenomena, while theories are an explanation.
8	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.
9	The color of a door is brown, is an example of.	A. Law B. Prediction C. Observation D. Hypothesis
10	A graph of an organized data is an example	A. Collecting data B. Analyzing data C. Asking question D. Forming a hypothesis
11	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
		A. Research

- B. Experimentation
  - C. Observation
  - D. All of these
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