



Science

Name: ()

Class:

Date: / /

The Nature of Science – Survey

Instructions

Below are 25 statements describing science or things related to Science. Read each statement carefully and then place a tick in the appropriate box (☑) “Yes” if you are inclined to agree with the statement and “No” if you are inclined to disagree with the statement. Check your answers to the survey once again at the end of the Nature of Science unit to see if / how they have changed.

Statement	Yes	No
1. Science is primarily a method for inventing new devices.	<input type="checkbox"/>	<input type="checkbox"/>
2. Science can prove anything, solve any problem, and answer any question.	<input type="checkbox"/>	<input type="checkbox"/>
3. Science involves dealing with many uncertainties.	<input type="checkbox"/>	<input type="checkbox"/>
4. Science is primarily concerned with understanding how the natural world works.	<input type="checkbox"/>	<input type="checkbox"/>
5. Astrology (predicting your future based upon the arrangement of stars and planets) is a science.	<input type="checkbox"/>	<input type="checkbox"/>
6. Science requires a lot of creative activity.	<input type="checkbox"/>	<input type="checkbox"/>
7. Science always provides tentative (temporary) answers to questions.	<input type="checkbox"/>	<input type="checkbox"/>
8. A “hypothesis” is just an “educated guess” about anything.	<input type="checkbox"/>	<input type="checkbox"/>
9. Scientists can believe in God or a supernatural being and still do good science.	<input type="checkbox"/>	<input type="checkbox"/>
10. Science is most concerned with collecting facts.	<input type="checkbox"/>	<input type="checkbox"/>
11. Most engineers and medical doctors are practicing scientists.	<input type="checkbox"/>	<input type="checkbox"/>
12. Something that is “proven scientifically” is no longer subject to change.	<input type="checkbox"/>	<input type="checkbox"/>
13. Science can be done poorly.	<input type="checkbox"/>	<input type="checkbox"/>
14. Scientific concepts and discoveries can cause new problems for people.	<input type="checkbox"/>	<input type="checkbox"/>
15. Scientists have solved most of the major mysteries of nature.	<input type="checkbox"/>	<input type="checkbox"/>
16. Science can study objects and events from millions of years ago.	<input type="checkbox"/>	<input type="checkbox"/>
17. Knowledge of how science works is important for all educated people.	<input type="checkbox"/>	<input type="checkbox"/>
18. Scientific experimentation usually involves trying something just to see what will happen, without predicting a likely outcome.	<input type="checkbox"/>	<input type="checkbox"/>
19. Anything done scientifically can be relied upon to be accurate and reliable.	<input type="checkbox"/>	<input type="checkbox"/>
20. Scientists assume that nature follows the same “rules” throughout the universe.	<input type="checkbox"/>	<input type="checkbox"/>
21. Scientists often try to disprove their own ideas.	<input type="checkbox"/>	<input type="checkbox"/>
22. Science can be influenced by race, gender and / or religion of the scientist.	<input type="checkbox"/>	<input type="checkbox"/>
23. Different scientists may get different solutions to the same problem.	<input type="checkbox"/>	<input type="checkbox"/>
24. Disagreement between scientists is one of the weaknesses of science.	<input type="checkbox"/>	<input type="checkbox"/>
25. Any study done carefully and based on observation is scientific.	<input type="checkbox"/>	<input type="checkbox"/>

- Scan the QR code given below to view the answers to this assignment.



http://www.nygh.sg/nature_of_science/worksheets/3_what_is_science_ans.pdf