

WHAT IS YOUR ATTITUDE TOWARD SCIENCE?


(A Scientific Attitude Inventory)

SAI II

There are some statements about science on the next two pages.

Some statements are about the nature of science. Some are about how scientists work. Some of these statements describe how you might feel about science.

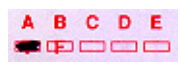
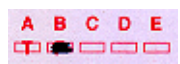
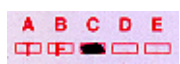
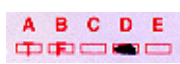
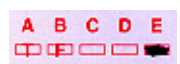
You may agree with some of the statements and you may disagree with others. That is exactly what you are asked to do. By doing this, you will show your attitudes toward science.

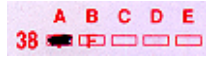
<p>You will be marking your answers on a Scantron answer form.</p> <p>It has five blank spaces for responses that you can darken with a pencil:</p>	
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After you have carefully read a statement, decide whether or not you agree with it.

- If you agree, decide whether you agree mildly or strongly.
- If you disagree, decide whether you disagree mildly or strongly.
- You may decide that you are uncertain or cannot decide.

Then, find the number of that statement on the answer sheet, and blacken the blank that matches your level of agreement:

If this is how much you agree with the statement....	This is how you mark your answer form:
Agree strongly	
Agree mildly	
Are uncertain or cannot decide	
Disagree mildly	
Disagree strongly	

<p>For example, a person who agrees strongly with the statement, "I would like to have a lot of money." would mark his or her answer sheet:</p>	
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INSTRUCTIONS: Place the Scantron answer form on top of this page with its left side lined up with the right-hand numbered column. Confirm that numbers 1 through 25 line up with the same numbers on answer form.

Read each statement. Then mark in the blank on the answer form to indicate how much you agree with the statement.		Mark...	If you...
		A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Strongly Agree
1	I would enjoy studying science.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1
2	Anything we need to know can be found out through science.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	2
3	It is useless to listen to a new idea unless everybody agrees with it.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	3
4	Scientists are always interested in better explanations of things.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	4
5	If one scientist says an idea is true, all other scientists will believe it.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	5
6	Only highly trained scientists can understand science.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6
7	We can always get answers to our questions by asking a scientist.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	7
8	Most people are not able to understand science.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	8
9	Electronics are examples of the really valuable products of science.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	9
10	Scientists cannot always find the answers to their questions.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	10
11	When scientists have a good explanation, they do not try to make it better.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	11
12	Most people can understand science.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	12
13	The search for scientific knowledge would be boring.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	13
14	Scientific work would be too hard for me.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	14
15	Scientists discover laws which tell us exactly what is going on in nature.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	15
16	Scientific ideas can be changed.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	16
17	Scientific questions are answered by observing things.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	17
18	Good scientists are willing to change their ideas.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	18
19	Some questions cannot be answered by science.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	19
20	A scientist must have a good imagination to create new ideas.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	20
21	Ideas are the most important result of science.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	21
22	I do not want to be a scientist.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	22
23	People must understand science because it affects their lives.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	23
24	A major purpose of science is to produce new drugs and save lives.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	24
25	Scientists must report exactly what they observe.	A B C D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	25

INSTRUCTIONS: Now, take this sheet and place it on top of the Scantron answer form with the right edge of the page lined up with the second column of answer blanks.

Make sure the numbers 26 through 40 in the right column on this page line up with those same numbers on the Scantron answer form.

Once again, read each statement. Then indicate your extent of agreement with it by marking in the blank to its right how much you agree.

Mark...	If you...
A B C D E 	Strongly Agree
A B C D E 	Agree Mildly
A B C D E 	Are Uncertain/Cannot Decide
A B C D E 	Disagree Mildly
A B C D E 	Strongly Disagree

26	If a scientist cannot answer a question, another scientist can.	26
27	I would like to work with other scientists to solve scientific problems.	27
28	Science tries to explain how things happen.	28
29	Every citizen should understand science.	29
30	I may not make great discoveries, but working in science would be fun.	30
31	A major purpose of science is to help people live better.	31
32	Scientists should not criticize each other's work.	32
33	The senses are one of the most important tools a scientist has.	33
34	Scientists believe that nothing is known to be true for sure.	34
35	Scientific laws have been proven beyond all possible doubt.	35
36	I would like to be a scientist.	36
37	Scientists do not have enough time for their families or for fun.	37
38	Scientific work is useful only to scientists.	38
39	Scientists have to study too much.	39
40	Working in a science laboratory would be fun.	40
41		41
42		42
43		43
44		44
45		45
46		46
47		47
48		48
49		49
50		50