

Name: \_\_\_\_\_

## SCIENCE KNOWLEDGE SURVEY

Adapted from <http://www.indiana.edu/~ensiweb/lessons/unt.n.s.html#newsciencesurprises>

This survey is given to check your understanding about the nature of modern science and certain basic science concepts. Please **agree**, or **disagree**, with each item on your answer sheet **as you think a working scientist would**.

	Agree	Disagree
Science is primarily a search for truth.		
Science can solve any problem or answer any question.		
Engineering can solve any problem.		
Science is primarily concerned with understanding how the natural world works.		
Astrology (predicting your future from the arrangement of stars and planets) is a science.		
Science requires a lot of creative activity.		
Science typically provides only temporary answers to questions.		
Engineers can design anything they want, however they want.		
Science is most concerned with collecting facts.		
Any time you ask a question you are "doing" science.		
Most engineers and medical doctors are actually scientists.		
A scientific fact is absolute, fixed, and permanent.		
All science is good science.		
Some of the greatest moments in history have been made possible by engineering.		
A scientific theory is merely a guess.		
Scientists have solved most of the major mysteries of nature.		
Science can study and explain events that happened millions of years ago.		
Knowledge of what science is, what it can and cannot do, and how it works, is important for all people.		
Modern scientific experiments usually involve trying something just to see what will happen, without predicting a likely result.		
Anything done scientifically is always accurate and reliable.		
Scientists often try to test or disprove possible explanations.		

	Agree	Disagree
Perpetual motion machines are a scientific fact.		
All scientific problems must be studied with The Scientific Method.		
Disagreement between scientists is one of the weaknesses of science.		
Engineers are inventors.		
Engineering does not involve creativity.		
Technology draws on science and contributes to it.		
Technology provides the eyes and ears of science (and sometimes the muscle, too).		
A "hypothesis" is just an "educated guess" about anything.		
New technologies always have side effects.		
Engineering always provides the right solution.		
Engineering only provides the tools for science.		
Scientists have observed that nature apparently follows the same "rules" throughout the universe.		
Engineering is applied science.		
Proving a hypothesis is correct makes a study valid.		
Science proves ideas.		