

# SURVEYS ON THE NATURE OF SCIENCE AND EVOLUTION

## Survey on Science

This survey contains statements about science. For each, think about how you feel about the statement. **Do you agree or disagree with the statement?** Your answers will be confidential and will not affect your grade; however, the class results may influence what we will study in this course, in order to help you develop a more accurate understanding of science.

For each of the following statements, choose one of the following:

**A = TRUE, or you AGREE with the statement**

**B = NOT TRUE or you DISAGREE with the statement**

- 1)\_\_\_ Science is primarily concerned with understanding how the natural world works.
- 2)\_\_\_ Science can be done poorly.
- 3)\_\_\_ Science involves dealing with many uncertainties.
- 4)\_\_\_ Astrology (predicting your future from the arrangement of stars and planets) is a science.
- 5)\_\_\_ Science involves creative activity.
- 6)\_\_\_ Evolution is a scientifically valid theory.
- 7)\_\_\_ Science is limited to investigation of the natural (as opposed to supernatural) world.
- 8)\_\_\_ Science provides certain answers to questions.
- 9)\_\_\_ Science is most concerned with collecting facts.
- 10)\_\_\_ Scientific concepts and discoveries can cause new problems for people.
- 11)\_\_\_ A hypothesis must be capable of being tested in order for it to be in the realm of science.
- 12)\_\_\_ Scientists have solved most of the major mysteries of nature.
- 13)\_\_\_ Scientists can study things and events from millions of years ago.
- 14)\_\_\_ Scientific experimentation usually involves trying something just to see what will happen, without predicting beforehand a likely outcome.

- 15)\_\_\_ A fact in science is a truth that can never be changed.
- 16)\_\_\_ Anything done scientifically can be relied upon to be accurate and reliable.
- 17)\_\_\_ Scientists must be willing to change their ideas when new evidence becomes known.
- 18)\_\_\_ Science can prove anything or solve any problem.
- 19)\_\_\_ The theory of evolution must deny the existence of a creator-God.
- 20)\_\_\_ Scientists assume that nature follows the same “rules” throughout the universe and throughout the history of the universe.
- 21)\_\_\_ Scientific facts are subject to change or revision.
- 22)\_\_\_ Only scientists can do science.
- 23)\_\_\_ Science can be influenced by the race, gender, nationality, or religion of the scientist.
- 24)\_\_\_ Disagreement between scientists is one of the weaknesses of science.
- 25)\_\_\_ Scientists can believe in God or a supernatural being and still do good science.