

The Enlightenment: To what extent was Locke a Newtonian?

Examine each statement.

Is it a fact, a theory, a law of nature or something else?

- 1) In calculating the length of the sides of a right triangle, $A^2 + B^2 = C^2$. _____
- 2) The Earth is the center of the Universe. _____
- 3) On Earth, force is equal to mass times velocity ($F=MV$). _____
- 4) What goes up, must come down. _____
- 5) The Sun is the center of a solar system that is on the periphery of a much larger galaxy and is located in an expanding universe. _____
- 6) Every action has an equal and opposite reaction. _____
- 7) Based on Biblical analysis of the ages of the patriarchs, the earth is approximately 6,000 years old. _____
- 8) In the universe, energy is equal to mass times a constant that is squared ($E=MC^2$).

- 9) Successive geological strata provide a history and chronology of earth making it approximately 4.6 billion years old. _____
- 10) Human life and consciousness begin at conception. _____
- 11) Current life forms on earth, including humans, evolved over millions of years from earlier life forms. _____
- 12) Biological evolution is a gradual and continuous process. _____
- 13) All people are created equal; endowed by their creator with certain inalienable rights.

- 14) All machines and art work have creators; by analogy, nature and the universe must have a creator. _____
- 15) Jesus of Nazareth, the Son of God, was born from a virgin. _____