

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 ( $E=MC^2$ ).  
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- 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.  
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- 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. \_\_\_\_\_