Controversy in Physics:

* Embryonic Stem Cell Research.
* Qualifying characteristics of a planet (What makes a planet a planet?)
* Some physicists have claimed that the speed of gravity is faster than the speed of light (which contradicts General Relativity). so that is controversial.
* Some claim that a concept called "Gravitoelectromagnetism" (a concept that in some circumstances, gravitational fields from moving masses can have effects that are analogous to electromagnetic effects of moving charges) can conceptually be used to create an "anti-gravity" device (\
* The "ekpyrotic universe" is an alternative cosmology that might be controversial.
* String theory has some controversy since i don't believe it has yet to be shown to be "falsifiable".
* Climate change/global warming (and what to do about it),
* Consciousness (whether we are really conscious, what makes us conscious etc.),
* Hurricane katrina (from an engineering perspective maybe?),
* Race targeted medicine (http://www.racesci.org/in\_media/genetic\_find.htm, there's been quite a bit said about this recently).
* Evolution vs Creationism
* Real controversies in science, I would say: a) dark matter and dark energy. b) interpretational issues in quantum theory (although this does not always lead to purely scientific controversies) and related issues such as the validity of the superposition principle on large scales, locality and all that. c) supersymmetry. d) the possibility of "closed, timelike paths" (the GR name for time travel). This is on the same level as wormholes (in fact, both issues are related). The solutions exist, but is it, or is it not, really a possibility in our universe ? However, I don't know in what way these are "controversial" and not simply "open questions". e) There ARE a lot of battles going on amongst String theorists, Loop quantum gravity people and so on... Now in as much that this is a \_scientific\_ discussion, and in how much this is people who lost all contact with experimental reality arguing over totally hypothetical subjects and even personal attitudes, is of course the question.

Found on PHYSICS FORUMS.  <https://www.physicsforums.com/threads/controversial-topics-in-physics.109120/>