

The APS draft of a statement on 'What is Science' refers to '...organizing and condensing (that) knowledge into testable laws and theories', and so I got to wondering.

So, what **ARE** some laws of Science? And how do they differ from theories? In order to think about this, I thought it might be helpful to write down some laws; here's a partial list, with a little help from friends¹.

1. Kepler's Laws (3)
2. Newton's Laws (3)
3. Coulomb's Law
4. Gauss's Law
5. Faraday's Law
6. Lenz's Law
7. Ampere's Law
8. The Law of Biot-Savart
9. Ohm's Law
10. Kirchoff's Laws (2)
11. The Ideal Gas Law
12. Boyle's Law
13. Charles' Law
14. Gay-Lussac's Law
15. Murphy's Law

Just for the record, there are other 'Laws' that I felt do not rate being included, although they are contenders.

¹Thanks to Amy Connolly, Helen Quinn and a colleague from LLNL on the plane to New Orleans for an APS Council meeting for contributions

1. The Law of Gravity

2. Moore's Law

Feel free to send me mail with other laws if you can think of them (thanks).