**Similarities**

1. **Both are best in case of Lots of reads, fewer writes.**
2. Both emphasize on avoiding Join queries.
3. Both provides index on Documents or Rows.

**Differences**

1. Cassandra write is constant time even if data grows. Mongo write is difficult because of 2 reasons
   1. Tree based storage engine
   2. Some storage engine locks entire database for a write of table which is strange
2. Analytics is supported in mongo by custom map/reduce. Cassandra adds plugins like hadoop, pig for analytics supports which provides map/reduce functionalities.
3. MongoDB is the best fit for single server. On distributed mongo MongoDB's global write lock tends to become more painful. For scaling, Cassandra's no-single-point-of-failure architecture will be easier to set up and more reliable.
4. Cassandra is simpler to set up in a multi-server configuration since there are no special-role nodes to worry about. 4 nodes cluster can be setup in 2 minutes. Mongo is trivial setup cluster nodes