Question 1:

1. Distributed NoSQL Database - Both
2. All nodes in clusters are peers - Cassandra
3. Highly Available DB - Cassandra
4. Highly Consistent DB - MongoDB
5. Tunable Consistency - Both

Question 2:

Fill in the blanks

Query-First Design is applicable to Cassandra DB. This means that instead of looking at the data or domain model and designing the Tables as done in RDBMS, we design the Query first based on application demands. Then based on the data query needs, define the Table structure.

Queries on OLTP databases typically process small amount of rows whereas analytical queries on data warehouses process Large amounts of rows.

In a Key-Value store DB, we query based on the key and this returns the value.

Data lake is more than just a dump of data in object storage. If there is lack of proper organization, data lakes degenerate into data Swamp.