All components of Hadoop 1.x

NameNode – Namenode is the centerpiece of HDFS. Its contains all the Filesystem tree and other metadata information of files. It contains in-memory mapping of which blocks are stored in which datanode.  
  
Secondary NameNode – Performs house keeping activites for the namenodes ,like the periodic merging of namespace and edits. Does not serves as a backup for NameNode.

DataNode –

-Stores actual data blocks of files in HDFS on its own local disk. Gives out signals to namenode periodically i.e Heartbeat .Sends block reporting to Namenode on the cluster startup and on every 10th heartbeat. Datanode is where all the actuall processing happens . Perform checksum on blocks and receive instructions from Namenode where to put the blocks n how to put them.  
  
JobTracker -

Controls the overall excetuion of MapReduce jobs ,replaced by ResourceManager in Hadoop 2.x.

TaskTracker -  
Runs individual MapReduce jobs on Datanodes.Periodically communicates with the JobTracker to give updates and receive instructions.