1. An empirical relation is one that is based on observation and has no theoretical basis. Sometimes a theoretical explanation of the empirical relation is found, and then the relation becomes a theoretically supported relation. Sometimes the empirical relation is just an approximation of the actual answer.

2. I think the difference between direct measurement and indirect measurement is that in direct measurement, the product, process or thing is measured directly with a standard scale. In indirect measurement, a suitable reference or reference quantity is used to make the measurement.

3. Accuracy refers to how closely the measured value approximates the true or generally accepted value. Accuracy refers to the degree of closeness between measurements of the same item.