Phylogeny:

Ancestral relation between genes, organisms. MSA also need tree construction and some tree construction requires MSA so its both ways. Phylogenetic tree leaves are called taxonomy, what we can see today. Internal nodes are long time ago ancestors which we just picture in our heads. Internal nodes can have 2 or more children. If some have 3 children tree is multifurcating else it is bifurcating.

Rooted vs Unrooted Tree

Rooted is direction is known. Root to leave. In Unrooted there is no node any node anywhere can be root. Direction is unknown of phylogeny.

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Taxonomy=2 there is one way.

Taxonomy= 3 there is three ways.