5. An **order** $\succ$ is a transitive and irreflexive binary relation defined on some objects (terms, atoms, clauses) (strict, partial order).

6. An order on terms (atoms, clauses) $\succ$ is **closed under substitutions (stable)**,if $s \succ t$ implies $s\sigma \succ t\sigma$, for all terms (atoms, clauses) s, t and any substitution σ.

7. An order on terms (atoms, clauses) is **monotonic** if $s \succ t$ implies $u[s]_p \succ u[t]_p$, for any terms (atoms, clauses) s, t, u and a position p in u.

8. An order on terms (atoms, clauses) is a **rewrite order** if it is a monotonic and closed under substitutions.

9. An order on... is a **reduction order** if it is a well-founded rewrite order.

10. An order on... has **Subterm Property**, if $u[s]_p \succ s$ for all terms s, u and $p \neq \epsilon$.

11. An order is a **simplification order** if it is a rewrite order with subterm property.