

Coevolution

Biology

Species evolving against each other, and the arms races that result.

Coevolutionary relationships and their pattern.

Relationship	Pattern
Predator-prey	Escalating speed, defence, detection
Host-parasite	Resistance against virulence
Plant-pollinator	Mutual specialisation
Plant-herbivore	Toxins against detoxification
Mimicry	Model, mimic and signal receiver

The Red Queen hypothesis: species must keep evolving simply to maintain their position relative to coevolving partners.