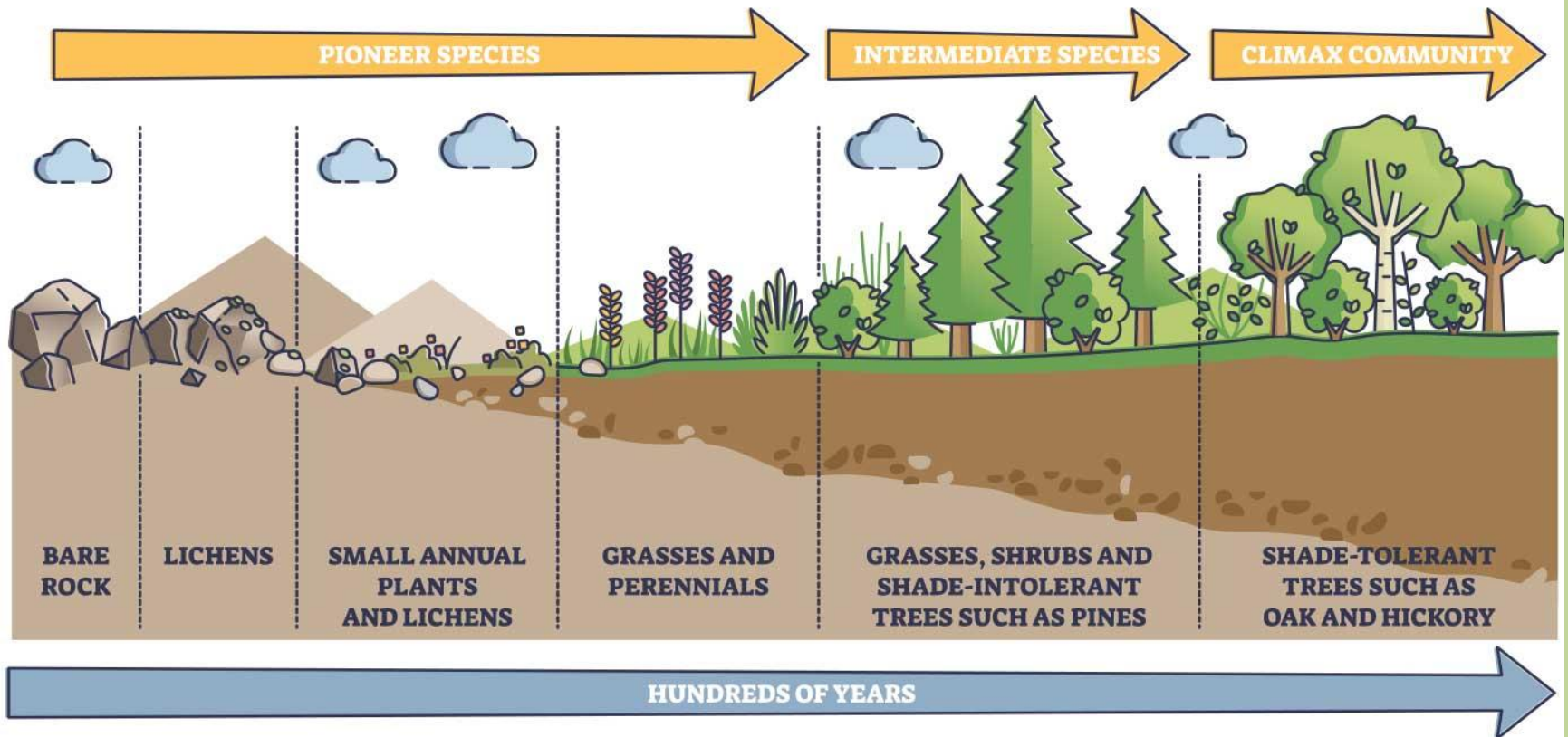


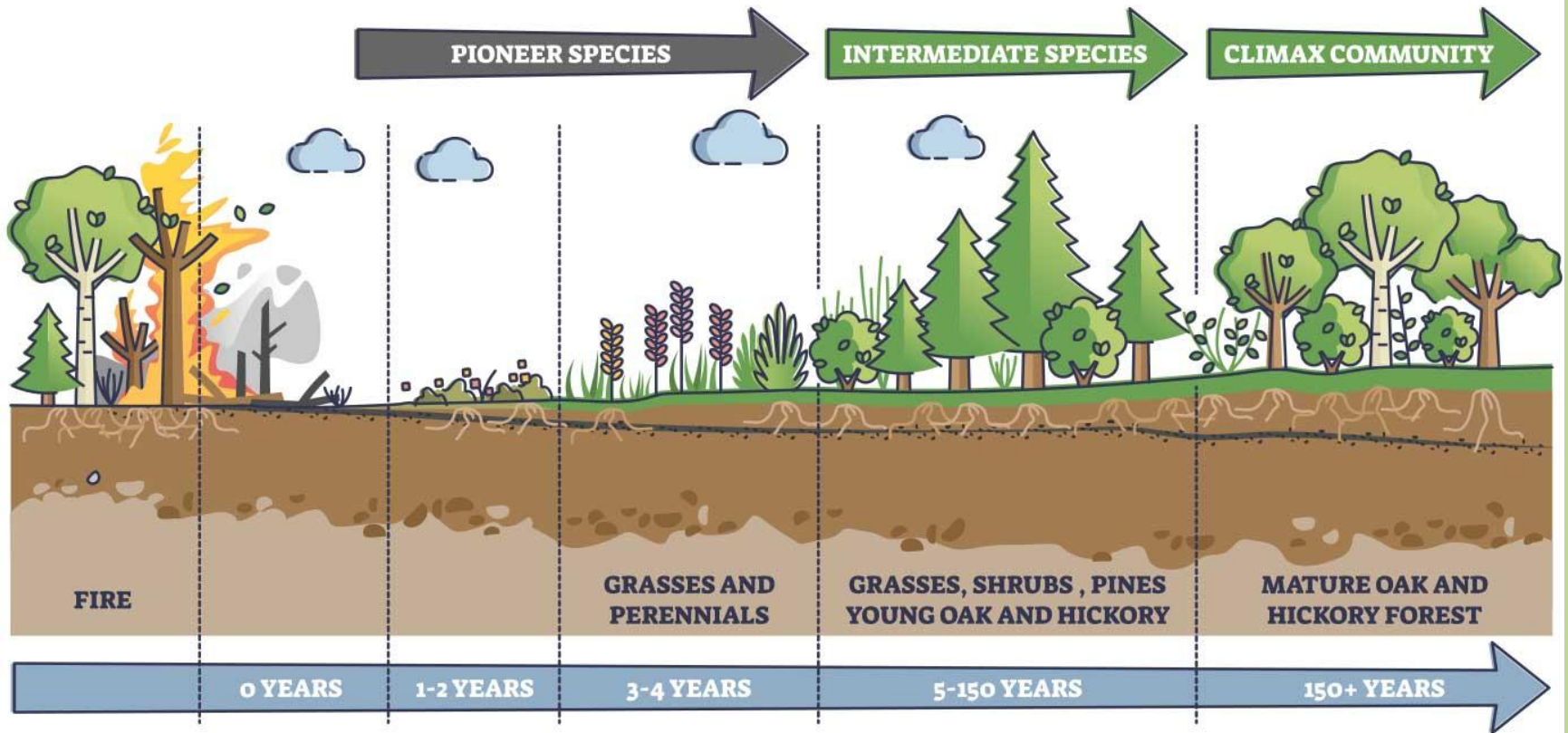
Ecological succession:

- Natural communities replace or succeed one another over time
- Succession stops temporarily when a climax community develops. Temporary equilibrium. Then disturbance. Again ecological succession
- Climax community: endpoint of succession. Persists till any disturbance occurs. Species before it are called intermediate communities
- Two types
- ✓ Primary succession: New patch of land, pioneer species occur, e.g. Rock formation after volcanic eruption, glacier retreat etc. Takes hundred of years. Soil formation. Climax community occurs.
- ✓ Secondary succession: When climax community is disturbed. E.g. Forest fire, major landslide.
- The concept is helpful for ecologists and wildlife managers in restoring the natural ecosystem.

PRIMARY SUCCESSION



SECONDARY SUCCESSION



Different types of ecosystem:

- Forest
- Grassland: Buggyals, Western ghats
- Desert: Sahara, thar
- Aquatic: river, pond, ocean

Role of individual in environmental problems

- **Critical understanding of capitalism**
- ✓ **Individual powerless in front of the big corporations. Problem not humans but capitalism and class difference**
- ✓ Blame on capitalist systems i.e. structure of modern societies. Cause of degradation lies in production process not consumption. Individuals cannot make change. Problem is treadmill of production.
- ✓ Ecological Modernization: Problem: in the structural design of industrialism not capitalism. Solution : technological innovation/ switchover. Problem and solution same: Science, technology, industry, capitalism.
- **Philosophical stand: ethical and moral conscience and values**
- ✓ Arnold Naes, 1972, Inspired by Spinoza, Gandhi, Buddhism, Rachael Carlson (Silent Spring). Deep ecology or biocentric and ecocentric views
- ✓ No single species superior, equal claims of all species, complete transformation/ reimagining of human nature relationships, based on equality of all species
- ✓ Ideology= derive certain ethics and principles, quality over quantity, big versus great, not move towards higher standard of living
- ✓ Movement= course of action, adherents should participate in bringing about the changes
- Gender: Eco-feminism.