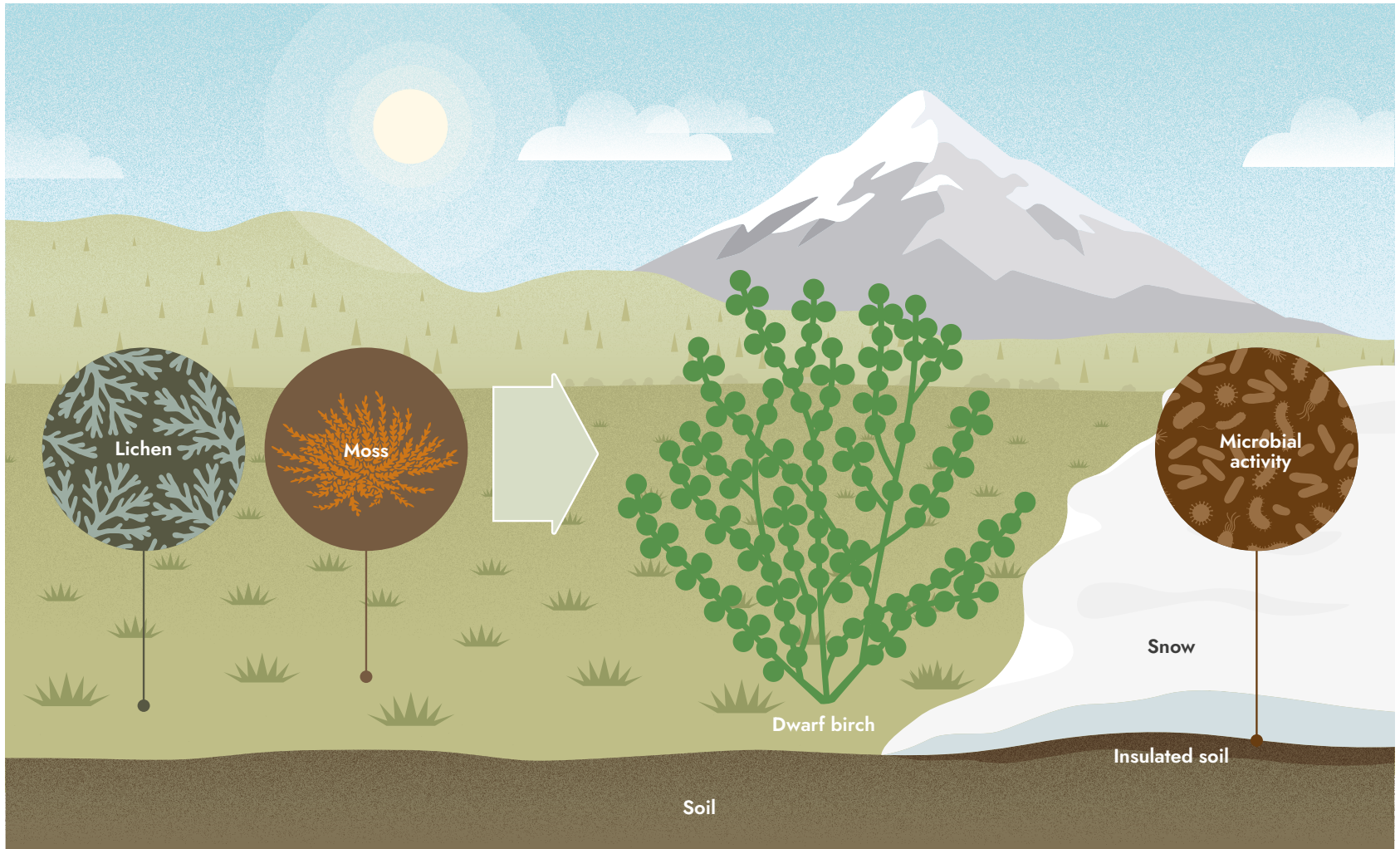




SHRUB EXPANSION

Arctic greening is associated with a “shrubbification” of the tundra, where tall deciduous shrubs expand and replace lichen and moss dominated vegetation. The shift in vegetation cover feeds back to the climate system by enhancing carbon sequestration through plant growth, reducing surface albedo, increasing snow accumulation and soil insulation, and stimulating microbial activity and decomposition