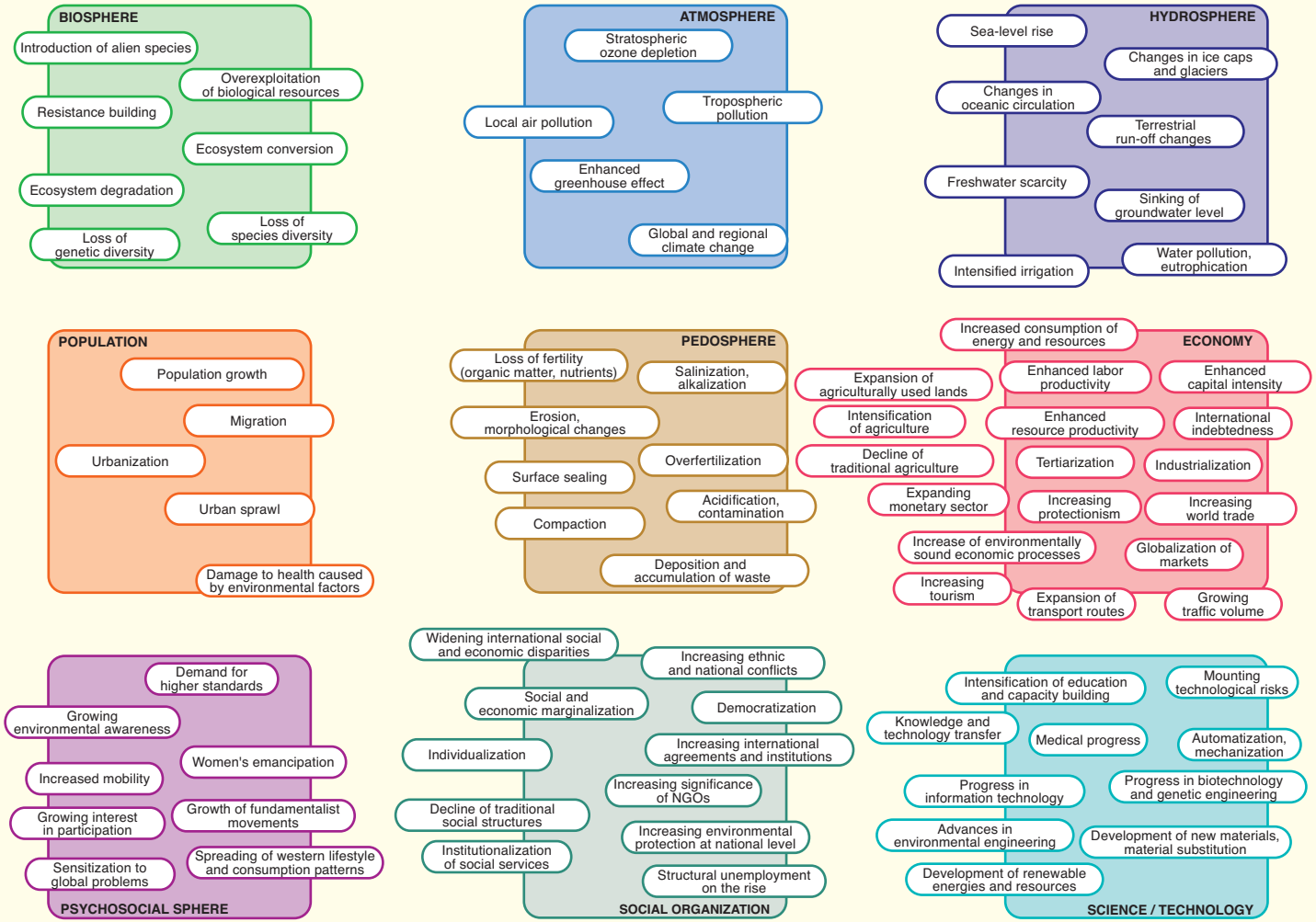
BIOSPHERE
Introduction of alien species
Overexploitation of biological resources
Resistance building
Ecosystem conversion
Ecosystem degradation
Loss of species diversity
Loss of genetic diversity
ATMOSPHERE
Stratospheric ozone depletion
Tropospheric pollution
Local air pollution
Enhanced greenhouse effect
Global and regional climate change
HYDROSPHERE
Sea-level rise
Changes in ice caps and glaciers
Changes in oceanic circulation
Terrestrial run-off changes
Freshwater scarcity
Sinking of groundwater level
Intensified irrigation
Water pollution, eutrophication
POPULATION
Population growth
Migration
Urbanization
Urban sprawl
Damage to health caused by environmental factors
PEDOSPHERE
Loss of fertility (organic matter, nutrients)
Salinization, alkalization
Erosion, morphological changes
Overfertilization
Surface sealing
Acidification, contamination
Compaction
Deposition and accumulation of waste
ECONOMY
Increased consumption of energy and resources
Expansion of agriculturally used lands
Enhanced labor productivity
Enhanced capital intensity
Intensification of agriculture
Enhanced resource productivity
International indebtedness
Decline of traditional agriculture
Tertiarization
Industrialization
Expanding monetary sector
Increasing protectionism
Increasing world trade
Increase of environmentally sound economic processes
Globalization of markets
Increasing tourism
Expansion of transport routes
Growing traffic volume
PSYCHOSOCIAL SPHERE
Demand for higher standards
Growing environmental awareness
Women's emancipation
Increased mobility
Growing interest in participation
Growth of fundamentalist movements
Sensitization to global problems
Spreading of western lifestyle and consumption patterns
SOCIAL ORGANIZATION
Widening international social and economic disparities
Increasing ethnic and national conflicts
Social and economic marginalization
Democratization
Individualization
Increasing international agreements and institutions
Increasing significance of NGOs
Decline of traditional social structures
Increasing environmental protection at national level
Institutionalization of social services
Structural unemployment on the rise
SCIENCE / TECHNOLOGY
Intensification of education and capacity building
Mounting technological risks
Knowledge and technology transfer
Medical progress
Automatization, mechanization
Progress in information technology
Progress in biotechnology and genetic engineering
Advances in environmental engineering
Development of new materials, material substitution
Development of renewable energies and resources