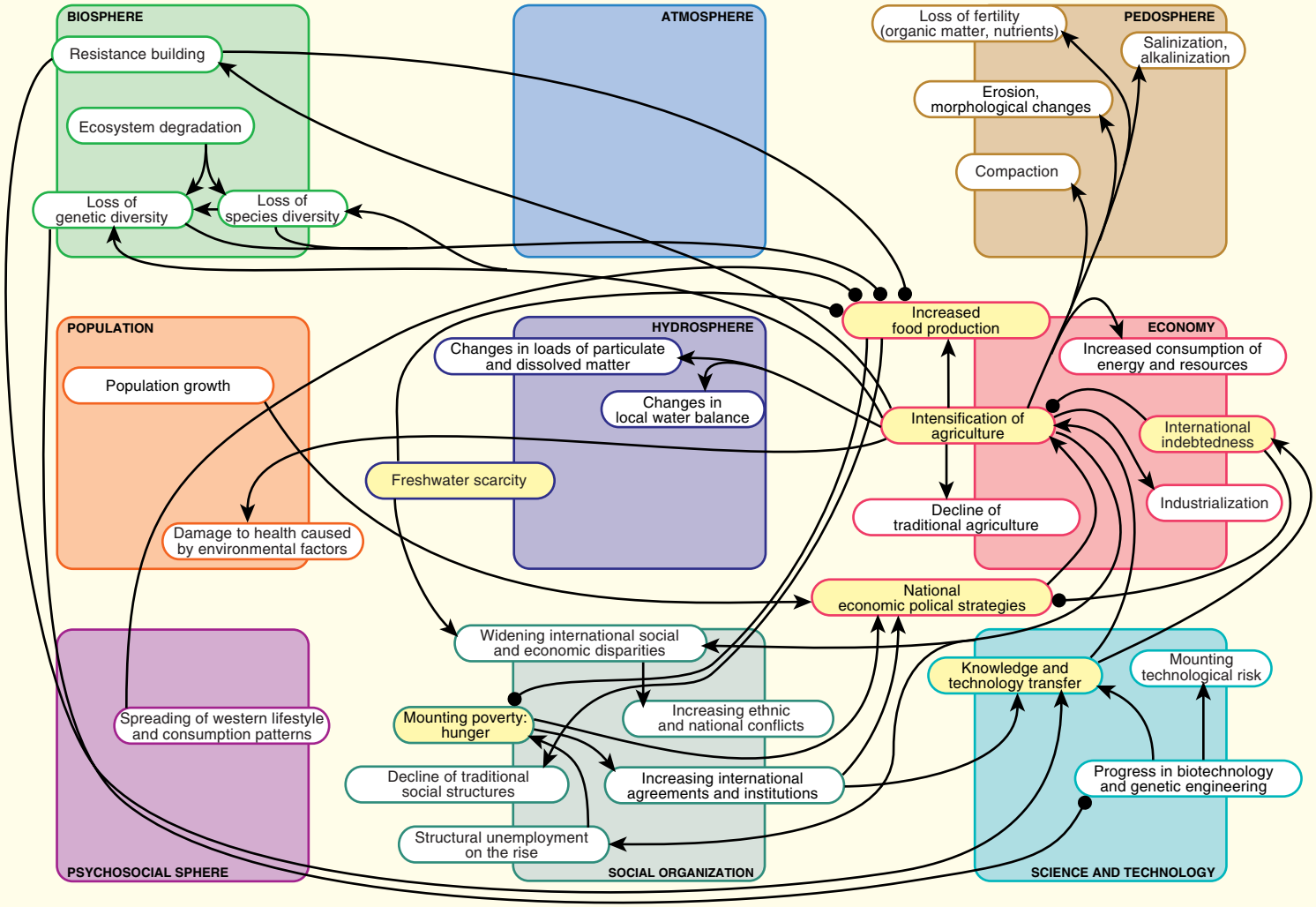
BIOSPHERE
Resistance building
Ecosystem degradation
Loss of genetic diversity
Loss of species diversity
ATMOSPHERE
PEDOSPHERE
Loss of fertility (organic matter, nutrients)
Salinization, alkalinization
Erosion, morphological changes
Compaction
POPULATION
Population growth
Damage to health caused by environmental factors
HYDROSPHERE
Changes in loads of particulate and dissolved matter
Changes in local water balance
Freshwater scarcity
Increased food production
Intensification of agriculture
Decline of traditional agriculture
ECONOMY
Increased consumption of energy and resources
International indebtedness
Industrialization
National economic polical strategies
Widening international social and economic disparities
Mounting poverty: hunger
Increasing ethnic and national conflicts
Decline of traditional social structures
Increasing international agreements and institutions
Structural unemployment on the rise
SOCIAL ORGANIZATION
Spreading of western lifestyle and consumption patterns
PSYCHOSOCIAL SPHERE
Knowledge and technology transfer
Mounting technological risk
Progress in biotechnology and genetic engineering
SCIENCE AND TECHNOLOGY