Ecosystem

 Boundaries

 Processes

Producers

Autotrophs

Photosynthesis

Cellular Respiration

Consumer

Heterotrophs

Primary Consumers

Secondary Consumers

Tertiary Consumers

Trophic Levels

Food Chain

Food Web

 Scavengers

 Detritivores

 Decomposers

Gross Primary Productivity (GPP)

Net Primary Productivity (NPP)

Biomass

Standing Crop

Ecological Efficiency

Trophic Pyramid

Biosphere

Biogeochemical Cycles

 Hydrologic Cycle

 Transpiration

 Evapotranspiration

 Runoff

 Carbon Cycle

 Nitrogen Cycle

 Macronutrients

 Limiting Nutrient

 Nitrogen Fixation

 Leaching

 Phosphorus Cycle

Disturbance

Watershed

Resistance versus Resilience –

Restoration Ecology

Intermediate Disturbance Hypothesis

Instrumental Value

Intrinsic Value

What are the instrumental values of an

Ecosystem?

 Describe all 5 and give an

example of each