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