

# **EXPECTATIONS**

## **AP Biology**

### **“Unit One- A Level”**

**SUGGEST** the similarities and differences of north and south facing slopes on a mountain located in the northern hemisphere

**SUGGEST** why coral reefs are present at one location but absent in another at the same latitude

**SUGGEST** a food source that could best feed a lot of people

**DISCUSS** why two competing species might hunt at different times of the day

**DISCUSS** global warming

**EXPLAIN** why some virus travel spread quickly and others do not

**EXPLAIN** how you might best alter a bottom-up community

**EXPLAIN** biological magnification

**DEDUCE** the size, trophic level, and biomass of organisms in a given food web

**DEDUCE** the types of ecological relationships between two species from a given story/description

**PREDICT** the abiotic factor most likely to affect metabolic rates

**PREDICT** the effects of changing the tilt of the earth's axis

**PREDICT** an islands biodiversity and rates of extinction relative to other islands based on their size and distance from mainland

**EVALUATE** the impact on the ecosystem when lawn clippings are taken to a landfill

**EVALUATE** the impacts of deforestation and agriculture on ecosystems

**DESIGN** a reasonable environmental policy using the precautionary principle (provided a scenario)

**ANALYZE** the distribution of species and **SUGGEST** why they are distributed in that way

**CALCULATE** the biomass of carnivores when given the biomass of plant material