

NAME _____

My Carbon Cycle Hypotheses

Based only on data in the carbon cycle interactive, what kind of changes do you hypothesize happened or are happening?

Molecule or Reservoir	Increase, Decrease, or Stay the Same
HAPPENED 300 YEARS AGO	
Carbon dioxide in the atmosphere	
Land biomass in the biosphere	
Bicarbonate in the ocean	
HAPPENING PRESENT DAY	
Carbon dioxide in the atmosphere	
Land biomass in the biosphere	
Bicarbonate in the ocean	

Correct answers:

Molecule or Reservoir	Increase, Decrease, or Stay the Same
HAPPENED 300 YEARS AGO	
Carbon dioxide in the atmosphere	stayed the same
Land biomass in the biosphere	increased
Bicarbonate in the ocean	decreased
HAPPENING PRESENT DAY	
Carbon dioxide in the atmosphere	is increasing
Land biomass in the biosphere	is increasing
Bicarbonate in the ocean	is increasing

NOTE: bicarbonate in the ocean is directly related to the amount of carbon dioxide dissolved in the ocean.