Freshwater Biome

Temperature	Water Availability	Sunlight	Soil Quality	Example Organisms
Usually mild	Abundant freshwater	Available near the surface	Muddy or sandy bottoms	Fish, frogs, otters, water lilies

Scientists analyze data to predict how biotic and abiotic factors affect the survival and population size of organisms.

When making a prediction, you must consider:
- What abiotic factors are present?
- What biotic factors are present?
- What might limit survival?
- How would changes affect organisms and populations?
- What adaptations would an organism need to survive in this biome?

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Marine Forest Biome

Temperature	Water Availability	Sunlight	Soil Quality	Example Organisms
Varies by location and depth	Saltwater is abundant	Strong near surface, limited in deep water	No true soil; sandy or rocky ocean floor	Fish, whales, algae, phyto-plankton

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Temperate Forest Biome

Temperature	Water Availability	Sunlight	Soil Quality	Example Organisms
Warm summers and cold winters	Moderate rainfall	Moderate	Rich in nutrients	Deer, foxes, trees, ferns

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Rainforest Biome

Temperature	Water Availability	Sunlight	Soil Quality	Example Organisms
Warm year-round	Very high rainfall	High throughout the year	Thin soil with few nutrients	Jaguars, monkeys, toucans, trees

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Grassland Biome

Temperature	Water Availability	Sunlight	Soil Quality	Example Organisms
Hot summers and cold winters	Moderate rainfall	High	Fertile soil	Bison, prairie dogs, grasses

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Desert Biome

Temperature	Water Availability	Sunlight	Soil Quality	Example Organisms
Hot days and cool nights	Very little rainfall	Very high	Dry, sandy, or rocky	Cacti, lizards, snakes

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Taiga Biome

Temperature	Water Availability	Sunlight	Soil Quality	Example Organisms
Long, cold winters	Low to moderate precipitation	Limited during much of the year	Thin soil with few nutrients	Moose, wolves, conifer trees

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Tundra Biome

Temperature	Water Availability	Sunlight	Soil Quality	Example Organisms
Extremely cold	Very little precipitation	Varies greatly by season	Permafrost (frozen ground)	Caribou, Arctic foxes, mosses,

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