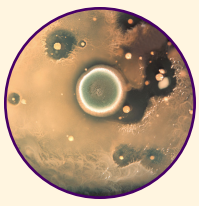

Microbial Ecology Question Bank 1-7

***Microbial Ecology* Question Bank** includes 72 Studies with 315 images & 21 videos to illustrate microbes as colonizers, in food production & food spoilage, herbivores, in the carbon & sulfur cycles, & in antibiosis.

	***Microbial Ecology* 1**	**Studies (images/*videos)**
		Colonizers
***Ecology* 1.1–1.18** ***Ecology* 1.19–1.47** ***Ecology* 2–7**	*Microbial Ecology* Question Bank 1.1	Algue Verte Tereste et Parmelia de Tilleuls, Notre Dame Cathedral, Paris (9)
	Microbial Ecology Question Bank 1.2	Palm Trees 1, Moorea, South Pacific (5*)
	Microbial Ecology Question Bank 1.3	British Church Brick, Antigua (4)
	Microbial Ecology Question Bank 1.4	Dock Pylons, Auckland, New Zealand (2)
	Microbial Ecology Question Bank 1.5	Ship's Terminal, Port of Livorno, Italy (2)
	Microbial Ecology Question Bank 1.6	Palm Trees 2, Matavai Bay, Tahti (6*)
	Microbial Ecology Question Bank 1.7	Halophiles in Salt Lagoons, Lanzarote
	Microbial Ecology Question Bank 1.8	Red Tide at Blaine Marina, Washington State
	Microbial Ecology Question Bank 1.9	Alkaline Lake Natron, Tanzania; Cyanobacteria & Lesser Flamingo
	Microbial Ecology Question Bank 1.10	Contaminants of Apollo Space Monument (3)
	Microbial Ecology Question Bank 1.11	Dock at Active Pass, British Columbia, Canada (4*)
		Food Production & Food Spoilage
	Microbial Ecology Question Bank 1.12	Producing Foods to Feed America (1)
	Microbial Ecology Question Bank 1.13	Microbes in Food Production (6)
	Microbial Ecology Question Bank 1.14	Lunch at a Vineyard, Tuscany 5*)
	Microbial Ecology Question Bank 1.15	Food Preservation (15)
	Microbial Ecology Question Bank 1.16	"Grass Fed Beef", "Sustainably Sourced", "Biodiversity" (6)
	Microbial Ecology Question Bank 1.17	Perdue: Not too Chicken to Change (5)
	Microbial Ecology Question Bank 1.18	Food Spoilage (4)
		Herbivores
***Ecology* 1.1–1.18** ***Ecology* 1.19–1.47** ***Ecology* 2–7**	*Microbial Ecology* Question Bank 1.19	Black Tail Deer (1*)
	Microbial Ecology Question Bank 1.20	Canadian Beaver (9*)
	Microbial Ecology Question Bank 1.21	Canadian Beavers in Argentina & Chile (5)
	Microbial Ecology Question Bank 1.22	Manatee, Florida (5*)
	Microbial Ecology Question Bank 1.23	Two-Toed Sloth, Central America (4*)
	Microbial Ecology Question Bank 1.24	Nasutitermes Termites, Costa Rica (2)
	Microbial Ecology Question Bank 1.25	Galápagos Herbivores (6*)
	Microbial Ecology Question Bank 1.26	Punta Tombo: Guanacos (7*)
	Microbial Ecology Question Bank 1.27	Shamarra Alpacas, Akaroa, New Zealand South Island (9)
	Microbial Ecology Question Bank 1.28	Argan Tree & Tree-Climbing Goats, Morocco (6*)
	Microbial Ecology Question Bank 1.29	African Herbivores (6*)
	Microbial Ecology Question Bank 1.30	Asian Herbivores (5***)
	Microbial Ecology Question Bank 1.31	Marsupials (7**)
	Microbial Ecology Question Bank 1.32	Koala, Australia (5**)
	Microbial Ecology Question Bank 1.33	South American & Australian Herbivores (6)
	Microbial Ecology Question Bank 1.34	Argentinosaurus, Patagonia, South America (2)
	Microbial Ecology Question Bank 1.35	Microbiology of Hay & Silage (6*)
		Carbon Cycle, Mineralization
	Microbial Ecology Question Bank 1.36	Sitka National Historic Park, Alaska (5*)
	Microbial Ecology Question Bank 1.37	Venice Foundation of Alder Piles, Italy (6**)
	Microbial Ecology Question Bank 1.38	Herculaneum, Italy (6*)
	Microbial Ecology Question Bank 1.39	Andes Mountains & Patagonia Peatlands (2*)
	Microbial Ecology Question Bank 1.40	Irish Peat (5)
	Microbial Ecology Question Bank 1.41	Princes Pier, Melborne, Australia (6)
	Microbial Ecology Question Bank 1.42	Arboreal, Cathedral, Magnetic Termites & Greenhouse Gases, Australia (7*)
	Microbial Ecology Question Bank 1.43	Kobe Beef & Global Warming, Tokyo, Japan (5)
	Microbial Ecology Question Bank 1.44	Liquefied Natural Gas (5)
	Microbial Ecology Question Bank 1.45	Collapsed Dock, New Westminster, BC, Canada (4)
	Microbial Ecology Question Bank 1.46	"Keeping the Beaches Clean", La Paz, Mexico (5)
	Microbial Ecology Question Bank 1.47	Landfill (1)
***Ecology* 1.1–1.18** ***Ecology* 1.19–1.47** ***Ecology* 2–7**	***Microbial Ecology* 2 Winogradsky Column**	
	Microbial Ecology Question Bank 2.1	Sergie Winogradsky [1856-1953] & Lithotrophic Bacteria (1)
	Microbial Ecology Question Bank 2.2	Green-Sulfur & Purple-Sulphur Bacteria Colonies (1)
	Microbial Ecology Question Bank 2.3	Winogradsky Column: Anaerobic Phototrophs (1)
	Microbial Ecology Question Bank 2.4	Winogradsky Column: Heterotrophs & Phototrophs
	Microbial Ecology Question Bank 2.5	Great Geyser & Great Geyser Microbes, Iceland
	Microbial Ecology Question Bank 2.6	Namafjall Geothermal Area & Sulfur Metabolism, Iceland
	***Microbial Ecology* 3 Nitrogen Cycle**	
	Microbial Ecology Question Bank 3.1	Lupins Benefit the Garden
	Microbial Ecology Question Bank 3.2	Nitrogen-Containing Organic Molecules
	Microbial Ecology Question Bank 3.3	Structure of Iron & Magnesium Porphyrins
	Microbial Ecology Question Bank 3.4	Structure of Vitamin B12
	Microbial Ecology Question Bank 3.5	Basic & Advanced Septic Systems
	Microbial Ecology Question Bank 3.6	Composting Animal Manure, Nitrate & Methemoglobinemia
	Microbial Ecology Question Bank 3.7	Aquaculture of Beluga Sturgeon: Nitrification & Denitrification
	***Microbial Ecology* 4 Symbiotic Nitrogen-Fixers**	
	Microbial Ecology Question Bank 4.1	Shamrock: Symbol of Ireland, Christianity & Nitrogen-Fixation
	Microbial Ecology Question Bank 4.2	Rhizobium Bacteroid Cell Morphologies
	Microbial Ecology Question Bank 4.3	*Agrobacterium tumefaciens*: Plant Tumors/Genetic Engineering
	***Microbial Ecology* 5 Free-Living Nitrogen-Fixers**	
	Microbial Ecology Question Bank 5.1	*Azomonas* & *Azotobacter* Pure & Mixed Cultures
	Microbial Ecology Question Bank 5.2	*Azotobacter* Colony/Cell Morphology & Cell Structures
	Microbial Ecology Question Bank 5.3	*Beijerinckia* Cell Morphology & Cell Structures
	***Microbial Ecology* 6 Nitrification**	
	Microbial Ecology Question Bank 6.1	Nitrifying Bacteria in the Aquarium
	Microbial Ecology Question Bank 6.2	Columbus Monument, Barcelona
***Ecology* 1.1–1.18** ***Ecology* 1.19–1.47** ***Ecology* 2–7**	***Microbial Ecology* 7 Antibiosis**	
	Microbial Ecology Question Bank 7.1	*Penicillium* Postage Stamp
	Microbial Ecology Question Bank 7.2	St Mary's Hospital London; Development of Penicillin
	Microbial Ecology Question Bank 7.3	Antibiosis
	Microbial Ecology Question Bank 7.4	Antibiotic Producers
	Microbial Ecology Question Bank 7.5	Crowded Agar Plates I
	Microbial Ecology Question Bank 7.6	Spectrum of Activity
	Microbial Ecology Question Bank 7.7	Crowded Agar Plates II