Microbial Physiology Question Bank 1-8

***Microbial Physiology* Question Bank** includes 50 Studies with 132 images & 2 videos illustrating the significance of physiology on microbial growth, in the environment & laboratory, & in food preservation.

***Physiology* 1–4**
***Physiology* 5–8**

	Subject (images/*video)
***Physiology* 1 Oxygen**	
	Food & Drink
Physiology Question Bank 1.1	Wine Making, Barossa Valley, South Australia (6)
Physiology Question Bank 1.2	Louis Pasteur, "La vie sans l'air" (2)
Physiology Question Bank 1.3	La Parisienne Boulanger (bread making) (2)
Physiology Question Bank 1.4	Shipwreck Galleries, Western Australia (6)
	Microbiology
Physiology Question Bank 1.5	Oxygen Requirements: *Streptococcus* (1)
Physiology Question Bank 1.6	Oxygen Requirements: *Penicillium*, *Staphylococcus* (1)
Physiology Question Bank 1.7	Aerobe, anaerobe, aerotolerant anaerobe, facultative anaerobe, microaerophile(6)
***Physiology* 2 Candle Jar**	
Physiology Question Bank 2.1	Oxygen Requirements: *Lactobacillus*, *Micrococcus* (2)
***Physiology* 3 Anaerobe Jar**	
Physiology Question Bank 3.1	Oxygen Requirements: *Lactobacillus*, *Micrococcus* (2)
Physiology Question Bank 3.2	Oxygen Requirements: *Clostridium*, *Enterococcus Micrococcus*, *Neisseria*, *Staphylococcus*, *Streptococcus* (2)
***Physiology* 4 Temperature**	
Physiology Question Bank 4.1	A 7-Story Thermometer, Barcelona, Spain (1)
Physiology Question Bank 4.2	Oxygen Requirements: *Penicillium*, *Staphylococcus* (1)
Physiology Question Bank 4.3	"Hot Water Plants", Yellowstone National Park (2)
Physiology Question Bank 4.4	" Aquae Sulis", Bath Hot Springs, Somerset, England (1)
Physiology Question Bank 4.5	Sulfur Springs Park, Saint Lucia, Eastern Caribbean (6)
Physiology Question Bank 4.6	Mesophiles & Thermophiles in Farm Composting (6)
	Food Preservation
Physiology Question Bank 4.7	Alaska Purchase, The Ice Company, & Ice to California (6)
Physiology Question Bank 4.8	San Francisco Plantation, Louisiana (4)
Physiology Question Bank 4.9	19th Century Ice Box (1)
Physiology Question Bank 4.10	21st Century Refrigerator (1)
Physiology Question Bank 4.11	Fish Markets in Asia & the Middle East (5)
Physiology Question Bank 4.12	Canned Foods, Honey, Milk, Tetra-Pak Drinks & Soups (5)
Physiology Question Bank 4.13	Laboratory Growth: Psychrophile, Mesophile & Thermophile (4)

***Physiology* 1–4**
***Physiology* 5–8**

***Physiology* 5 pH**	
Physiology Question Bank 5.1	pH & Growth of *Bacillus cereus* & *Lactobacillus plantarum* (2)
Physiology Question Bank 5.2	pH Range of *Enterococcus*, *Staphylococcus*, *Saccharomyces* (3)
Physiology Question Bank 5.3	Pickled Vegetables, Asoagro Market, Arica, Chile (6)
***Physiology* 6 Osmotic Pressure**	**Halophiles in the Environment**
Physiology Question Bank 6.1	Marine Halophile, *Aliivibrio fischeri* (1)
Physiology Question Bank 6.2	Bonaire Salt Lagoons,Caribbean (6)
Physiology Question Bank 6.3	Spotted Lake, Osoyoos, British Columbia, Canada (4)
Physiology Question Bank 6.4	Pink Lake, Esperance, South Australia (2)
	Food Preservation
Physiology Question Bank 6.5	Salted Fish, La Boqueria Market, Barelona, Spain (2)
Physiology Question Bank 6.6	Salted Fish & Canned Salted Fish, Chania Market, Crete (6)
Physiology Question Bank 6.7	Salted Dried Fish, Goa, India (5)
Physiology Question Bank 6.8	Prosciutto, Italian Ham (4)
Physiology Question Bank 6.9	Italian Honey, San Gimignano, Tuscany (4*)
Physiology Question Bank 6.10	Italian & French Preserves (2)
Physiology Question Bank 6.11	Dried Fruits & Vegetables, Barcelona, Spain (6)
Physiology Question Bank 6.12	The Trans-Saharan Salt Road, 8th-17th Centuries (2)
***Physiology* 7 Growth Curve**	
Physiology Question Bank 7.1	Growth Rate & Generation Times of Vibrio natriegens (1)
Physiology Question Bank 7.2	Colony Forming Units (CFU) of Probiotic Bacteria per Serving (4)

***Physiology* 1–4**
***Physiology* 5–8**

***Physiology* 8 Bacteriophage**	
Physiology Question Bank 8.1	T4 Phage Plate (1)
Physiology Question Bank 8.2	Lysogenic Bacteriophage & Bacterial Pathogens (1)