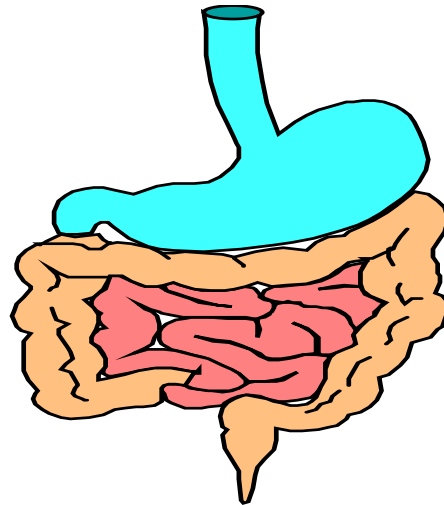
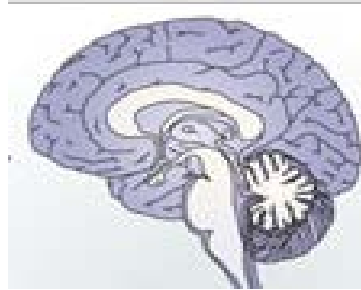


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Microbe to brain communication

Vagus nerve
Short chain fatty acids
Cytokines
Tryptophan



Brain to microbe communication

Vagus nerve
HPA
SAM



Depression
Gut dysbiosis