

Topic/Title	Trivia Game: Memory
Level	High school teachers
Objectives	Define concepts related to memory
Competencies	
Knowledge	Memory and process related to memory
Ability	Associate definitions with the correct concept
Attitude	Attentiveness
Procedures	Explain the game. Instructions provided in PowerPoint presentation
Materials	Instructions / PowerPoint presentation Set of 24 memory cards
Clues / Definitions <i>Adapted mainly from BrainU [http://brainu.org/] and Nature [http://www.nature.com/].</i>	<p>Declarative (<i>Explicit</i>) Memory - Type of memory used when recalling facts or experiences, as opposed to skills. Semantic and episodic memories are in this category.</p> <p>Learning - The process of acquiring new information.</p> <p>Long-term Depression - The long-lasting decrease in strength of communication at a synapse due to the slowness or absence of stimulation. Experimentally, prolonged low-frequency inputs produce this synaptic change.</p> <p>Long-term Memory - Memories that are stored in a variety of places in the brain over long periods of time.</p> <p>Long-term Potentiation - The long-lasting strengthening of communication at a synapse due to the amount or coincidence of stimulation. Experimentally, high-frequency bursts produce this synaptic change.</p> <p>Memory Encoding - The process of translating sensory or new information into a form that can be stored, leading to the creation of new memories.</p> <p>Memory Retrieval - The process of recalling information from your memory.</p> <p>Memory Storage - The process of keeping information over time.</p> <p>Neural Plasticity - The changing of the structure, organization, or function of brain cells in response to new experiences.</p> <p>Nondeclarative (<i>Implicit</i>) Memory - Type of memory used when unconsciously recalling and applying skills.</p> <p>Short-term Memory - Memories only held for a few minutes. Some of this information will be lost or forgotten, while some will be processed into long-term memory.</p> <p>Working Memory - Brain processes used for temporary storage and manipulation of information.</p>