

<b>Topic/Title</b>	Trivia Game: Memory
<b>Level</b>	High school teachers
<b>Objectives</b>	Define concepts related to memory
<b>Competencies</b>	
<b>Knowledge</b>	Memory and process related to memory
<b>Ability</b>	Associate definitions with the correct concept
<b>Attitude</b>	Attentiveness
<b>Procedures</b>	Explain the game. Instructions provided in PowerPoint presentation
<b>Materials</b>	Instructions / PowerPoint presentation Set of 24 memory cards
<b>Clues / Definitions</b> <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>