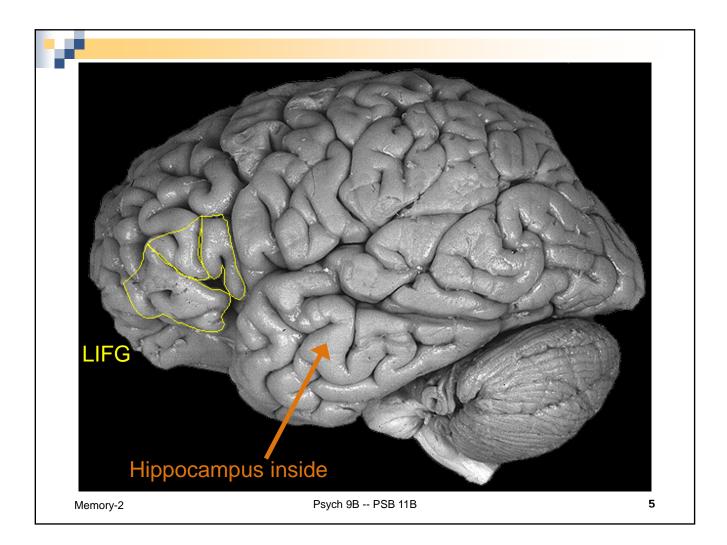


	encoding-specificity principle implies that nemory is	
Choo	seone	
Α.	objective	
В.	subjective	
C.	inaccurate	
D.	emotional	
Memory 2	Psych 9B PSB 11B	2

Funct	ional Categories of Memory	
Explici	t	
an add	ress, telephone number, the capital of India	
Implicit	t	
•	a bike, recognizing faces, litioned responses and operants	
Explicit	t memory can be further divided	
Mer	nantic memory mories for facts, including word meanings, are not tied to any specific time or place	
•	sodic memory	
Mer	nories for specific events and experiences	
Memory 2	Psych 9B PSB 11B	3

	ain Areas Associated with Memory Formation	
 Encoding solution brain areas For items For items Regions id Hippocan 	ging: fMRI & PET, EEG & MEG study: Comparing fMRI activation of s during a study phase that were later recognized that could NOT later be recognized lentified by Wagner & Buckner npus in the left hemisphere for frontal gyrus (LIFG)	
Memory-2	Psych 9B PSB 11B	4



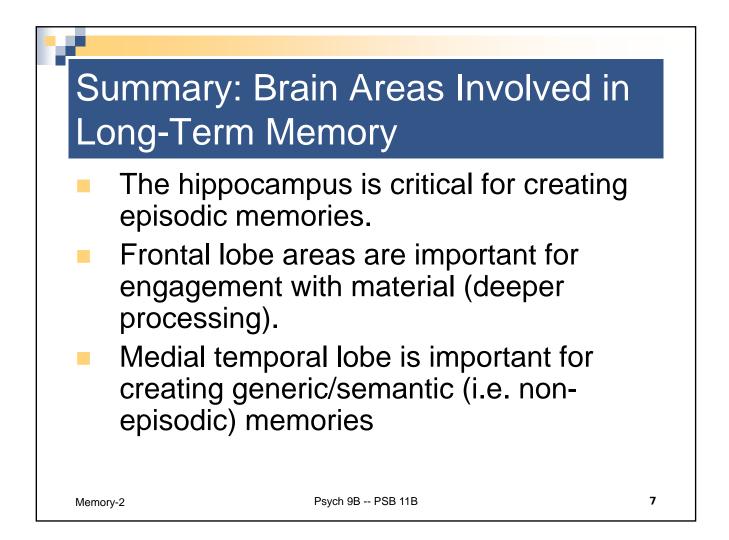


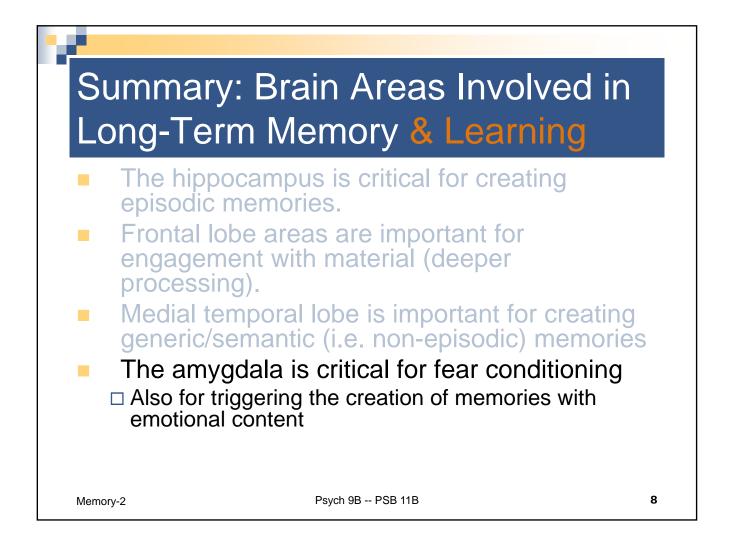
Hippocampus

- Specialized for rapidly learning and later reinstating neural activity associated with specific events
- □ Assigns distinct representations to each stimulus
 - Allowing rapid learning without interference between memory traces
- Medial temporal lobe (MTL)
 - Specialized for slowly learning about the statistical regularities of the environment
 - □ Assigns similar representations to similar stimuli
 - □ Use of overlapping representations
 - Captures the shared structure of events
 - Makes it possible to generalize to novel stimuli as a function of their similarity to previously encountered stimuli.

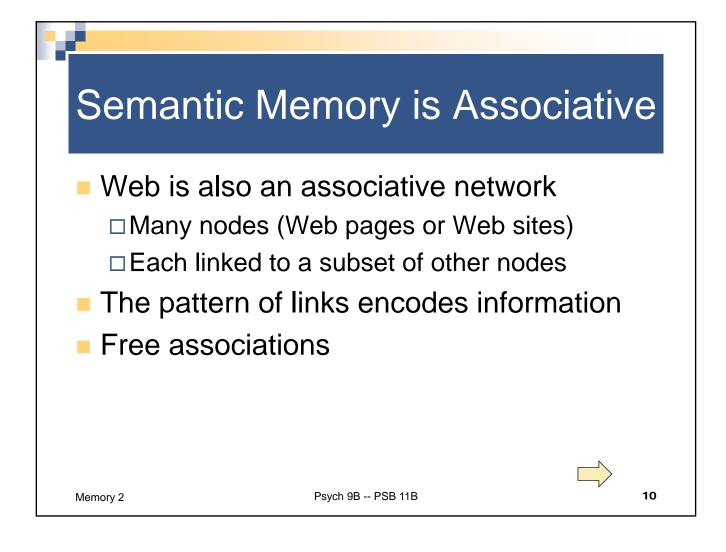
Memory-2

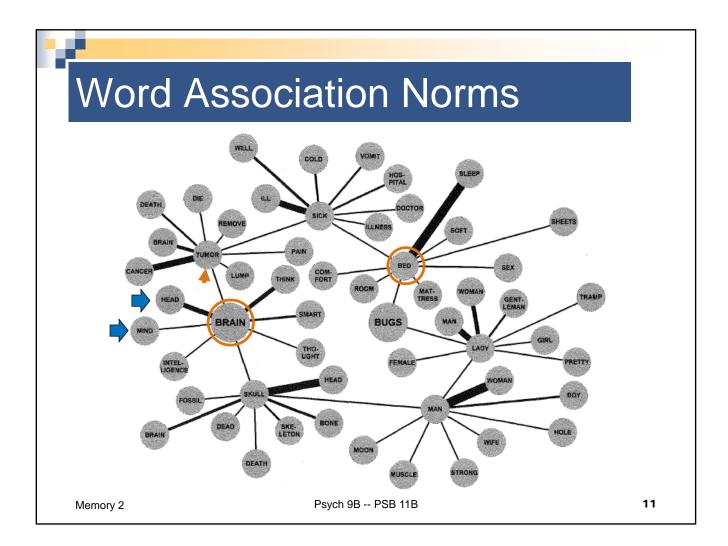
Psych 9B -- PSB 11B

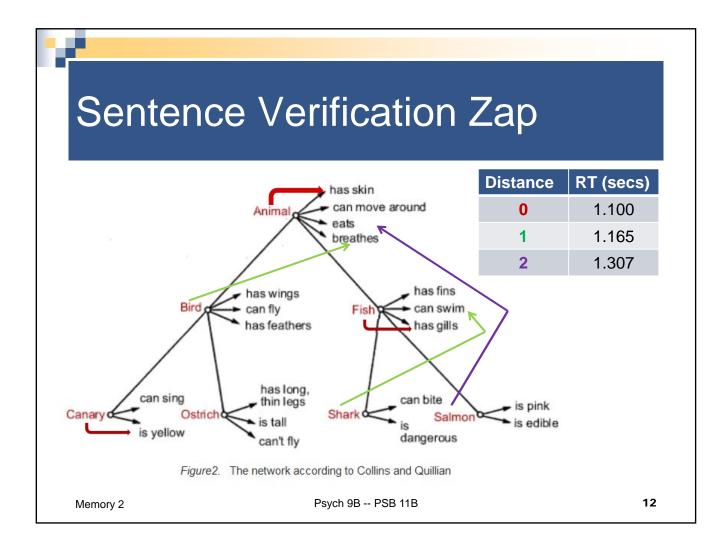


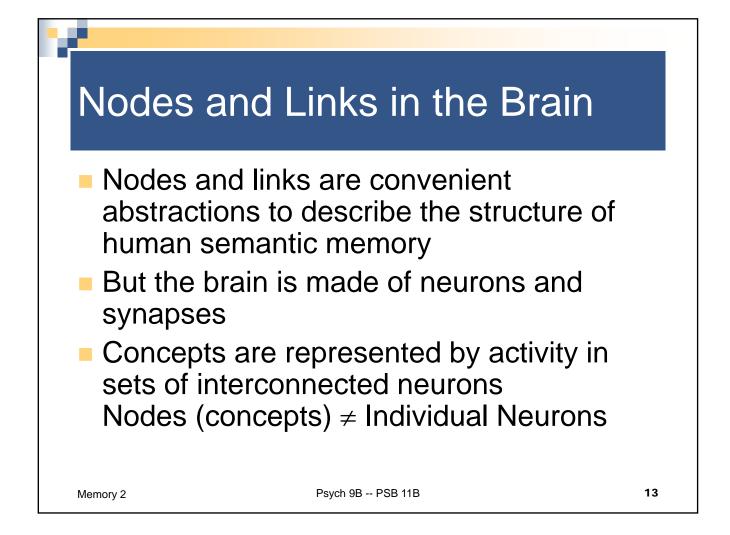


U	of Semantic Memories: isms and Codes	
 Storage Somethi In the b connect Code A convertion 	equires two things mechanism ng physical that is changed orain, the strength of neural ctions ntion that gives meaning to the changes	
Memory 2	Psych 9B PSB 11B	9









Nodes and Links in the Brain – 2

Quiroga et al. (2005). Nature, 435, 1102-1107

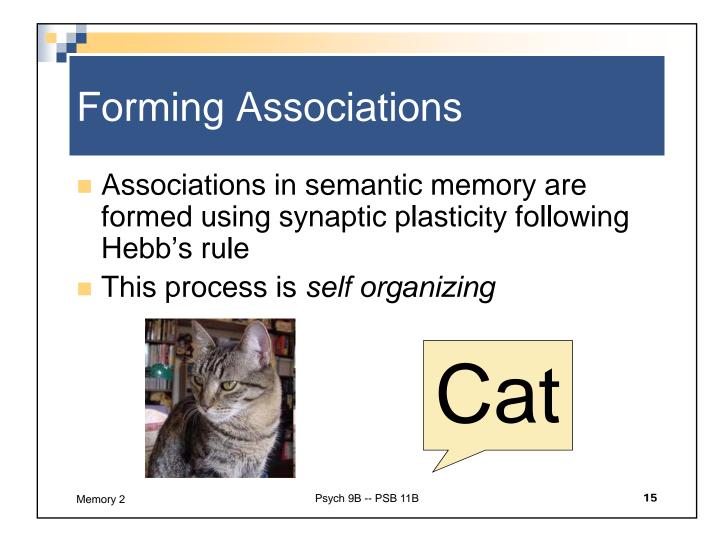
- Some neurons in the human brain, respond reliably whenever the subject is seeing pictures of specific people
- Just from the activity of these cells, the experimenters were able to get a good idea which picture subject is viewing
- Each of these neurons also responds to many unrelated pictures

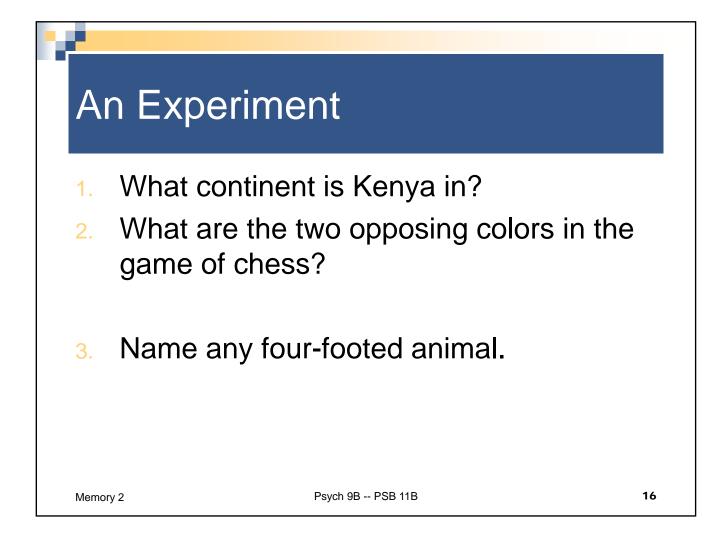


Memory 2

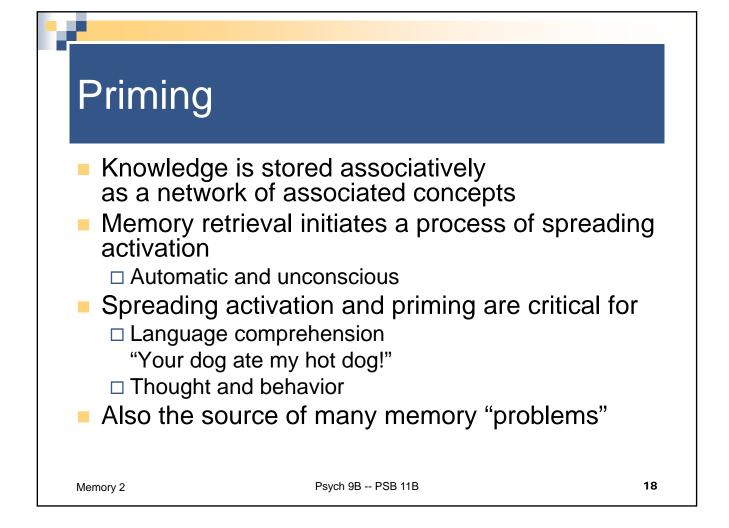


Psych 9B -- PSB 11B





ALC .			
What	animal did you	ı name?	
Choo	se one		
Α.	Dog		
В.	Cat		
C.	Horse		
D.	Zebra		
E.	Something else		
Memory 2		Psych 9B PSB 11B	17



Lexical [Decision Results		
Strongly appoi	atad warday Daatar Nuraa	0.54 s 🔶	
	ated words: Doctor – Nurse ted words: Coffee – Roof	0.54 s	
, ,	a Word: prenkt - table	0.59 s	
NonWord then a NonWord: human - stolp			
Word then a No	nWord: reptur - nosmok	─ 0.68 s ◀	
Spreading	gactivation		
Priming			
3			
Memory 2	Psych 9B PSB 11B	10	

