## **UNIT 7B: COGNITION**

	HINKING  BJECTIVE 1: Define cognition.	12. Not being able to take a new perspective when attempting to solve a problem is referred to as
	Cognition, or, can be defined	One example of this obstacle
	as	to problem solving is the tendency to repeat solutions
	uo	that have worked previously; this phenomenon is known
2	Scientists who study these mental activities are called	as the development of a
۷.	Scientists who study these mental activities are canea	as the development of a
	·	13. When a person is unable to envision using an object in
0	BJECTIVE 2: Describe the roles of categories, hierarchies,	an atypical way,
	efinitions, and prototypes in concept formation.	is operating.
	People tend to organize specific items into mental	
	groupings called, and many	OBJECTIVE 5: Contrast the representativeness and
	such groupings often are further organized into	availability heuristics, and explain how they can cause us
	out groupings often are further organized into	to underestimate or ignore important information.
4	Concepts are typically formed through the development	14. People judge how well something matches a particular
	of a best example, or, of a	prototype; this is the
	category. People more easily detect	prototype, this is the
	(male/female) prejudice	15. When we judge the likelihood of something occurring in
	against (males/females) than	terms of how readily it comes to mind, we are using the
	<del>-</del>	terms of now readily it comes to mind, we are using the
	vice versa.	
	OBJECTIVE 3: Compare algorithms and heuristics as problem-solving strategies, and explain how insight	Explain how these two heuristics may lead us to make judgmental errors.
	differs from both of them.	
	Humans are especially capable of using their reasoning	
	powers for coping with new situations, and thus for	
_	Finding a weblands solution by twing a solution in the	
	Finding a problem's solution by trying each possibility is	
	called	
7	Logical, methodical, step-by-step procedures for solving	
	problems are called	16. (Thinking Critically) Many people fear
	Simple thinking strategies that provide us with problem-	
	solving shortcuts are referred to as	more than
	solving shortcuts are referred to as	more than, and, despite the fact
0	When you suddenly realize a problem's solution,	that these fears are not supported by death and injury
9.	has occurred. Research	
		statistics. This type of faulty thinking occurs because we
	studies show that at such moments the brain displays a	fear
	burst of activity in the	a
	·	b
_		C
	BJECTIVE 4: Contrast confirmation bias and fixation, and	d
	xplain how they can interfere with effective problem	ODJECTIVE O D. H. H. H. L. H. H. L. H.
	olving.	OBJECTIVE 6: Describe the drawbacks and advantages of
	The tendency of people to look for information that	overconfidence in decision making.
	verifies their preconceptions is called the	17. The tendency of people to overestimate the accuracy of
	·	their knowledge results in
11.	It is human nature to seek evidence that	18. Overconfidence has value
	our ideas more eagerly than to	because self-confident people tend to live
	seek evidence that might	(more/less) happily and find it
	them.	(easier/harder) to make tough

decisions.

19. When research participants are given feedback on the accuracy of their judgments, such feedback generally (does/does not) help them	3. The system of rules that enables us to use our language to speak to and understand others is called .
become more realistic about how much they know.	The system by which meaning is derived from morphemes, words, and sentences is the
OBJECTIVE 7: Describe how others can use framing to	of a language.
elicit from us the answers they want.	5. The system of rules we use to combine words into
20. The way an issue is posed is called This effect influences	grammatically sensible sentences is called
economic and business decisions, suggesting that our	
judgments (may/may not)	OBJECTIVE 12: Trace the course of language acquisition
always be well reasoned.	from the babbling stage through the two-word stage.
	6. By months of age, babies can
OBJECTIVE 8: Explain how our preexisting beliefs can distort our logic.	read lips and discriminate speech sounds. This marks the beginning of their
21. The tendency for our beliefs to distort logical reasoning is	, their ability to comprehend
called	speech. This ability begins to mature before their, or
22. This phenomenon makes it	ability to produce words.
(easier/more difficult) for us to see the illogic of	7. The first stage of language development, in which
conclusions that run counter to our beliefs.	children spontaneously utter different sounds, is the stage. This stage typically
OBJECTIVE 9: Describe the remedy for the belief	begins at about months of
perseverance phenomenon.	age. The sounds children make during this stage
23. Research has shown that once we form a belief or a	(do/do not) include only the
concept, it may take more convincing evidence for us to	phonemes of the language that they hear.
change the concept than it did to create it; this is	8. Deaf infants (do/do not)
because of	babble. Many natural babbling sounds are
24. A cure for this is to	pairs formed by
OBJECTIVE 10: Describe the smart thinker's reaction to	9. By about months of age, infant
using intuition to solve problems.	babbling begins to resemble the household language. At
25. Generally speaking, our cognition is	about the same time, the ability to perceive phoneme differences is (lost/acquired).
26. Intuitive reactions allow us to react	10. During the second stage, called the
, and in ways that are usually	
·	stage, children convey complete thoughts using single
27. Smart thinkers check their intuitions against available	words. This stage begins at about
·	year(s) of age.
	<b>11</b> . During the
<u>LANGUAGE</u>	stage children speak in
OBJECTIVE 11: Describe the basic structural units of a	sentences containing mostly nouns and verbs. This type
language.	of speech is called speech.
1. The basic sound units of language are its	12. After this stage, children quickly began to utter longer
English has approximately	phrases that (do/do not)
of these units. The basic units of sign language are defined by	follow the rules of syntax.
or sign language are ucillieu by	
and	
2. Phenomes are grouped into units of meaning called	

OBJECTIVE 13: Discuss Skinner's and Chomsky's	readiness to learn
contributions to the nature-nurture debate over how	·
children acquire language, and explain how statistical	18. This ability for
learning and critical periods are important concepts in	is not lifelong. Childhood
children's language learning.	seems to represent a
13. Skinner believed that language development follows the	for mastering certain aspects
general principles of learning, including	of language. Those who learn a second language as
,,	adults usually speak it with the
and When there is minimal	of their first language.
reinforcement for speaking, as is the case for hearing	Moreover, they typically show
children whose parents are,	(poorer/better) mastery of the
the learning of spoken language proceeds	of the second language.
(more slowly/at a normal	19. The window for learning language gradually begins to
pace).	close after age When a young
14. Other theorists believe that humans are biologically	brain doesn't learn any language, its language-learning
predisposed to learn language. One such theorist is	capacity (never/may still) fully
, who believes that we are all	develops.
born with a	20. Considering the two theories together, we can say that
in	although we are born with a readiness to learn language,
which switches are thrown as	is also important, as shown in
children experience their language. This theorist	linguistically stunted children who have been isolated
contends that all human languages have the same	from language during the
grammatical building blocks, which suggests that there	for its acquisition.
is a	THINKING AND LANGUAGE
	THINKING AND LANGUAGE
15. Specific phonemes, morphemes, words, and sentences	OBJECTIVE 14: Summarize Whorf's linguistic determinism
make up what Chomsky calls the	hypothesis, and comment on its standing in contemporary
of	psychology.
a language. The underlying meaning of these	1. According to the
components of a language make up its	hypothesis, language shapes
·	our thinking. The linguist who proposed this hypothesis
Thus, using multiple levels of understanding language	is
development, design the	2. Many people who are bilingual report feeling a different
mechanisms and modifies the	sense of, depending on which
brain.	language they are using. There are an estimated
	languages in the world today.
Give several examples of linguistic behavior in children	3. In several studies, researchers have found that using the
that support the argument that humans are biologically	pronoun "he" (instead of "he or she")
predisposed to acquire language.	(does/does not) influence
prodioposou to dodano idiigaagoi	people's thoughts concerning gender.
	4. Bilingual children, who learn to inhibit one language
	while using their own language, are better able to inhibit
	their to irrelevant information.
	This has been called the
	5. One study of Canadian children found that English-
	speaking children who were in
16. Research by Jenny Saffran has demonstrated that even	French had higher scores and
before year(s) of age, infants	math scores than control children.
are able to discern	
by analyzing which syllables	OBJECTIVE 15: Discuss the value of thinking in images.
most often go together.	6. It appears that thinking
17. Research studies of infants' knack for soaking up	(can/cannot) occur without the use of language.
language suggest that babies come with a built-in	Athletes often supplement physical with
	practice.

7. In one study of psychology students preparing for a midterm exam, the greatest benefits were achieved by those who visualized themselves
\_\_\_\_\_\_ (receiving a high grade/studying effectively).

Summarize the probable relationship between thinking and language.