Chapter Ten Motivation and Emotion

Review of Key Ideas

MOTIVATIONAL THEORIES AND CONCEPTS

ЮТ	IVATIO	annyonches to understanding motivation.
1.	Compa	are drive, incentive, and evolutionary approaches to understanding motivation.
	1-1.	Drive theories are based on the idea that organisms strive to maintain a state of or physiological equilibrium. For example, organisms are motivated to maintain water balance: when deprived of water they experience thirst. Thirst is a to return to a state of water
		equilibrium. A drive is a state of tension. According to drive theories organisms are motivated to seek drive or tension
	1-2.	A drive is a state of tension. According to drive the
	1-3.	Theories that emphasize the pull from the external environment are known as theories. For example, we may be motivated to eat not as a function of hunger (an internal drive) but as theories. For example, we may be motivated to eat not as a function of hunger (an internal drive) but as
		a result of the smell or appearance of 1000 (all external energy than the smell or appearance of 1000 (all external energy).
	1-4.	From the point of view of evolutionary theory all motivations, such as the needs for affiliation, dominance, achievement, and aggression, occur because they havevalue for the species. Organisms with adaptive sets of motivational characteristics are more likely to pass their
	1-5.	on to the next generation. Place the name of the theoretical approach described below (drive, incentive, or evolutionary) in the
		Emphasizes homeostasis, the pressure to return to a state of equilibrium.
		attempts to reduce internal states of tension.
		Emphasizes "pull" from the environment (as opposed to "push" from internal states).

	Motivations arise as a function of their capacity to enhance reproductive success, to
	pass genes to the next generation.
,	
2. Disti	nguish between the two major categories of motives found in humans.
2-1.	Most theories of motivation distinguish between motives (e.g., for food, water, sex, warmth) and motives. Biological needs are generally essential for the of the group or individual.
2-2.	Social motives (e.g., for achievement, autonomy, affiliation) are acquired as a result of people's experiences. While there are relatively few biological needs, people theoretically may acquire an unlimited number of needs.
не моті	VATION OF HUNGER AND EATING
3. Sumi	narize evidence on the physiological factors implicated in the regulation of hunger.
3-1.	Within the brain, a major area identified in eating behavior is the subcortical sructure known as the
3-2.	Researchers used to think that eating was controlled by "on" and "off" centers in the hypothalamus. When the lateral hypothalamus (LH) was destroyed, animals stopped eating, as if hunger had been turne off like a switch. When the ventromedial hypothalamus (VMH) was destroyed, animals (started/stopped eating.
3- 3.	Current thinking is that eating seems to be controlled more by (complex neural circuits/simple anatomic centers) rather than by on-off centers within the hypothalamus. (While the LH and VMH are still factor in hunger regulation, researchers now think that other parts of the hypothalamus, the arcuate nucleus an paraventricular nucleus, are more important.)
3=4.	Much of the food we consume is converted into, a simple sugar that is an important source of energy.
3-5.	Based on research findings about glucose, Mayer proposed the theory that there are specialized neurons in the brain, which he called, that function to monitor blood glucose. Lower levels of glucose, for example, are associated with a(n) (increase/decrease) in hunger.
3-6.	For cells to extract glucose from the blood, the hormone must be present. Insuli will produce a(n) (increase/decrease) in the level of sugar in the blood, with the result that the person experiences a(n) (increase/decrease) in the sensation of hunger.
3-7.	Among the other that appear to play a role in hunger are ghrelin and CCK, secreted by the stomach and small intestines

3-8.	The hormone is produced by (<u>fat cells/neurons</u>) and circulated to the hypothala-mus in the bloodstream. Higher levels of leptin reflect a higher level of fat in the body, which is associ-
	ated with a (increase/decrease) in the sensation of hunger.
Evnl	ain how the availability of food, culture, learning, and stress influence hunger.
4-1.	Hunger is based not only on a physiological need but on external factors. We eat more when the food is (1) tasty or, (2) served in (<u>larger/smaller</u>) quantities and (3) available in (<u>more/fewer</u>) varieties. Thus, some aspects of hunger motivation support the (<u>drive/incentive</u>) approach to motivation.
4-2.	Although we have some innate taste preferences (e.g., for sweet, fat), it is also clear that affects what we eat. For example, taste preferences and aversions may be learned by pairing a taste with pleasant or unpleasant experiences, the process of conditioning.
4-3.	In addition, we are more likely to eat what we see others eating, so food preferences are acquired not only through conditioning but through the process oflearning.
4-4.	Our environments also provide frustrating circumstances that create, a factor that may also triggers eating in many people. Although stress and increased eating are linked, it's not clear why the relationship occurs.
. Eva	duate evidence on the prevalence and health significance of obesity.
5-1.	A BMI of 25 to 29.9 is considered moderately overweight, and a BMI of more than 30 is classified as
5-2.	Using this measure, approximately one-third (32%) of Americans would be classified as obese (BMI > 30). If the lower cutoff is used (BMI > 25) then approximately of Americans are overweight (more erately overweight or obese). a. one-third
	b. two-thirds
	c. 80%
5-3	As shown in Figure 10.4 in your text, the higher the bodyweight per unit height (BMI), the greater the
	health risk for a variety of illnesses. It is somewhat surprising, then, that among those who are only <i>moterately</i> overweight (25 to 29.9) <i>mortality</i> (does/does not) appear to increase.

5-5.	In addition, some individuals in the moderate category are in fact physically fit, so the low correlation with mortality may be more a problem of than fatness. Nonetheless, the fact remains that obesity at all levels is associated with increased (health risk/mortality).
Identi	fy the factors that contribute to the development of obesity.
6-1.	Evolutionary theorists propose that in our ancestral past, when faced with the likelihood of famine, people evolved a capacity to overeat. Overeating, as a hedge against food shortages, had
6-2.	It is clear that many factors affect body weight and that some of the most important are genetic. For example, Stunkard et al. (1986) found that adopted children were much more similar in BMI to their (biological/adoptive) parents than to their (biological/adoptive) parents, even though they were brought
6-3.	The most striking finding of the Stunkard et al. (1990) study with twins was that (identical/fraternal) twins reared <i>apart</i> were more similar in BMI than (identical/fraternal) twins reared <i>together</i> in the same family environment. This research supports the idea that (genetics/environment) plays a major role in body weight.
6-4.	Concerning environmental factors, modern societies have created an environment in which caloric intakers from food exceeds that energy expended in exercise. Food is readily available, tasty, and highly caloric, while modern conveniences make less likely to occur.
6-5.	The concept of set point may help explain why body weight remains so stable. The theory proposes that each individual has a "natural" body weight that is set, in large part, by the person's (genetics/environment). The body defends one particular weight.
6-6.	According to theory, individual differences in body weight are due in large part to differences in genetic makeup. This theory asserts that the body actively defends a (wide range/ particular) body weight by increasing hunger or decreasing metabolism.
6-7.	Settling-point theory is a bit more optimistic: individuals who make long-term changes in eating or exercise will drift downward to a lower point without such active resistance. The settling-point view also asserts that this balance is achieved as a result of (a wide variety of/genetic) factor

SEXUAL MOTIVATION AND BEHAVIOR

7. Outline the four phases of the human sexual response.

7-1. Write the names of the four phases of the human sexual response in the order in which they occur. (Mnemonic: The first letter of each phase name produces EPOR, which happens to be ROPE spelled backward.)

	(a)
	(b)
	(c)
	(d)
7-2.	In the blanks below write the first letter of each phase name that correctly labels the descriptions below.
	Rapid increase in arousal (respiration, heart rate, blood pressure, etc.)
	Vasocongestion of blood vessels in sexual organs; lubrication in females
	Continued arousal, but at a slower place
	Tightening of the vaginal entrance
	Pulsating muscular contractions and ejaculation
	Physiological changes produced by arousal subside
	Includes a refractory period for men
	ss parental investment theory and findings on human gender differences in sexual activity.
Discu 8-1.	Parental investment theory and findings on human gender differences in sexual activity. Parental investment theory proposes that species' mating patterns are determined by the <i>investment</i> each sex must make to produce and nurture offspring. For example, human females are the ones who are pregnant for nine months and breast-feed their offspring, so according to this analysis females have a greater in the child than do males.
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9.	Descri	be gender differences in mating preferences, including the Featured Study on women's udgments of men's mate potential.
	9-1.	In their search for a partner, according to evolutionary theories, human females place <i>greater emphasis</i> than do males on which of the following characteristics? (Mark yes or no.)
		Material resources that can be used to support offspring.
		Ambition, status, wealth.
		Physical attractiveness.
	9-2.	In their search for a partner, according to evolutionary theories, human males place greater emphasis than do females on which of the following characteristics? (Mark yes or no.)
		Youth, which signals ability to have children.
		Beauty, assumed to be associated with health and fertility.
		Social status and financial prospects.
	9-3.	The featured study asked these questions: Simply by looking at a snapshot of a man's face, can women make meaningful judgments about his (1) and (2) liking for?
	9-4.	Participants were 29 women undergraduates, and the snapshots they rated were of the faces of 39 male students (from a different university). The study found that the female subjects' ratings of the masculinity of the males' faces were modestly correlated with the males' levels, as measured by saliva samples.
	9-5.	The study also found that the females' ratings of the degree of the males' liking for children were modestly correlated with another measure, scores on a paper and pencil of interest in infants.
	9-6.	One other interesting finding from this study: Higher ratings of masculinity were associated with higher ratings of (short-term/long-term) mate potential and higher ratings of liking for children with higher ratings of (short-term/long-term) mate potential.
	9-7.	This study suggests that some aspects of reproductive fitness may be revealed in the face. In summary, by simply looking at a snapshot of a male's face, females were able to judge to some degree:
		a. hormone levels
		b. liking for children
		c. suitability for a long- or short-term relationship
		d. all of the above.

10. Summarize evidence on the impact of erotic materials, including aggressive pornography, on human sexual behavior.

- 10-1. What is the relationship between exposure to erotic materials and sexual activity? One fairly dependable finding has been that erotic materials tend to (<u>increase/decrease</u>) the likelihood of sexual activity for a few (<u>hours/weeks</u>) after exposure.
- 10-2. Another effect involves attitudes. In the Zillman and Bryant studies described, male and female undergraduate subjects exposed to heavy doses of pornography over a period of weeks developed attitudes about sexual practices that were more (<u>liberal/conventional</u>). Subjects also became (<u>more/less</u>) satisfied with their partners appearance and sexual performance.
- 10-3. In general researchers (<u>have/have not</u>) found a link between exposure to erotic materials and sex crimes. In addition, pornography appears to play a (<u>major/minor</u>) role in the commission of sexual offenses.
- 10-4. Some laboratory studies, however, have found that pornography depicting violence against women (decreases/increases) men's tendency to be aggressive toward women. In these studies aggression is defined as willingness to deliver (fake) electric shock to other subjects.
- 10-5. In addition, some laboratory studies have found that exposure to aggressive pornography makes sexual coercion or rape seem (less/more) offensive to the participants, a troublesome finding in view of current information about the prevalence of rape.

	Clarify the nature of sexual orientation and discuss the prevalence of ho	mosext	ıality
11.	Clarify the nature of sexual orientation and disease		

Clarity	the nature of sexual services with individuals
11-1.	Sexual orientation refers to a person's preference for emotional and sexual relationships with individuals of the other sex, the same sex, or either sex. Those who prefer relationships with the other sex are termed
	with the same sex, and with either sex
11-2-2	Because people may have experienced homosexuality in varying degrees, it seems reasonable to consider sexual orientation as a(n) (continuum/all-or-none distinction). In part because of this definitional problem and in part due to prejudice against homosexuals, it is difficult to determine precisely the proportion of homosexuals in the population. A frequently cited statistic is 10%, but recent survey place the proportion
	somewhere between

12. Compare environmental and biological theories of sexual orientation.

12-1. What factors determine sexual orientation? Psychoanalysts thought the answer involved some aspect of the parent-child relationship. Behaviorists assumed that it was due to the association of same-sex stimuli with sexual arousal. Thus, both psychoanalytic and behavioral theorists proposed (environmental/biological) explanations of homosexuality.

1	12-2.	Extensive research on homosexuals' upbringing and early childhood experiences has supported the:
		a. psychoanalytic point of view
		b. behavioral point of view
		c. neither of the above
	12-3.	Most gay men and women recall feeling homosexual inclinations in early childhood, long before they knew what sex was really about. They also report struggling against their orientation. These findings suggest that sexual orientation is
		a. more biological than environmental.
		b. more environmental than biological.
	12-4.	Subjects in one of the studies described were gay men who had an identical twin brother, a fraternal twin brother, or an adopted brother. For each of the categories, what percent of the brothers of the subjects were also gay? Place the appropriate percentages in the blanks: 11%, 22%, 52%.
		Identical twins
		Fraternal twins
		Adopted brothers
	12-5.	While most studies (<u>have/have not</u>) found a difference between gay and straight men in circulating hormones, many theorists do suspect that hormones in the prenatal environment are a factor. For example, researchers have found that offspring of women exposed, during pregnancy, to treatment with a synthetic are more likely to be homosexual.
	12-6.	While much of the evidence points toward biological factors, the fact that identical twins turn out to share sexual orientation only half of the time suggests that factors are involved in some way. What those factors might be remains unknown, however.
	12-7.	Homosexuality in men and women seems to follow somewhat different courses. For example, women are more likely than men to their sexual orientation over the course of their adult years. In addition, women are more likely than men to report that their attraction to the same sex emerged in (childhood/adulthood).
ACH	HEVE	MENT: IN SEARCH OF EXCELLENCE
13.	Desc	ribe how the need for achievement is measured.
	13-1.	Do seek out difficult challenges? Strive to outperform others? Set high standards of excellence? The extent that you answered "yes" or "no" to these questions reflects your need for

13-2.	To measure need for achievement, researchers use a projective test that ask subjects to tell stories about a series of pictures (e.g., a man holding a violin). This test is the Thematic Apperception Test or
	series of pro-
	ate how variations in the need for achievement influence behavior.
Articul	People who score high on need for achievement tend to differ from those who score low in the following
14-1.	ways (true/false):
	They work harder and persist longer.
	They are better able to handle negative feedback about performance.
	They seek immediate gratification and sacrifice future goals.
	They seek competitive, entrepreneurial occupations.
	They select tasks of intermediate (not too hard, not to easy) difficulty.
15-1 15-1	the of success at the task decreases. At the of success at the task decreases. At the of the
THE EI	EMENTS OF EMOTIONAL EXPERIENCE
16. D	6-1. The word <i>cognition</i> refers to thoughts, beliefs, or conscious experience. When you encounter a spide (or, for some people, the edge of a cliff or making a speech in public), you might say to yourself, "The terrifying (or maybe disgusting)." This thought or cognition has an evaluative aspect: we assess our emotions as pleasant or unpleasant. Thus, one component of emotion is the thinking or in terms of pleasantness-unpleasantness.

17-1.	The second component of emotion is the component, primarily actions of the
	nervous system (responsible for flight or flight). Your encounter with the insect
	might be accompanied by changes in heart rate, breathing, or blood pressure or by increased electrical
	conductivity of the skin, known as the skin response (GSR).
17-2.	Lie detectors don't actually detect lies, they detect reflected by changes in heart
	rate, respiration, and GSR. Emotion does not necessarily reflect lying: some people can lie without show
	ing emotional arousal and others show arousal when asked incriminating questions. Advocates claim th
	polygraphs are about 85% to 90% accurate; recent research (supports/does not support) this claim. In
	most courtrooms polygraph results (are/are not) considered reliable enough to be used as evidence.
17-3.	Recent evidence suggests that the brain structure known as the plays a central
17-5.	role in emotion. For example, research has found that animals that have their amygdalas destroyed can
	learn classically conditioned responses.
	The amygdala doesn't process emotion by itself but is at the core of a complex set of neural circuits. Ac
17-4.	cording to LeDoux, sensory information relating to fear arrives at the thalamus and from there is relayed
	along two pathways, to the nearby and also to areas in the
17-5.	LeDoux's theory includes that idea that the amygdala processes information extremely rapidly, which
	clear value for the organism in threatening situations. The cortex responds mo
	slowly but in greater detail and relays potentially moderating information to the amydala. While the hu
	of this vigilance system seems to be the, both pathways are useful in assessing
	threat.
17-6.	We step into an elevator and are immediately terrified, reflecting the pathway centered in the
	involve the
17-7.	While we have emphasized the role of the amygdala in LeDoux's theory, it is important to stress that
1, ,,	emotions depends on:
	a. a particular brain center
	b. a constellation of interacting brain centers
Expla	nin how emotions are reflected in facial expressions and the facial feedback hypothesis.
18-1.	The third component of emotion is the behavioral component. We communicate emotions not only ve
1 (3-1.	The time component of emotion is the contract of
10 11	bally but through our postures, gestures, and, especially, in our facial
10 11	bally but, through our postures, gestures, and, especially, in our facial
18-2.	bally but, through our postures, gestures, and, especially, in our facial Ekman and Friesen found that there are fundamental facial expressions of emotion: happi

18-3.	According to some researchers facial expressions not only reflect emotions but help create them. This viewpoint, known as thehypothesis, asserts that facial muscles send signals to the brain that help produce the subjective experience of emotion. For example, turning up the corners of your mouth and crinkling your eyes will tend to make you feel
10 Davia	w cross-cultural similarities and variations in emotional experience.
19. Revie	Ekman and Friesen asked people in different cultures to label the emotion shown on photographs of faces. What did they find?
19-2.	While there are considerable similarities in emotional expression across cultures, there are some differences. The word labels for sadness, anxiety, and remorse (occur/do not occur) in all cultures. The Japanese tend to use more socially (engaging/disengaging) emotions than do North Americans.
19-3.	There are also cultural differences governing when people express particular emotions. For example, what emotions are you "supposed" to show at a funeral, or when watching a sporting event? The unwritten rules that regulate our display of emotion, known as rules, vary considerably across cultures.
THEORIE	S OF EMOTION
	the James Lange and Cannon-Bard theories of emotion.
20-1	One would think that the process would be as follows: First, you would be consciously aware of your fear, then you would experience the autonomic or visceral arousal that accompanies fear. The James-Lange theory reverses this process: We first experience the (visceral arousal/conscious fear) and then we have reprience (visceral arousal/conscious fear).
20-	2. According to the James-Lange theory, then, fear and other emotions occur not as a result of different patterns of activation.
20-	De Liberary argued that a subcortical structure in the brain (they thought it was the than
	a. conscious fear would precede autonomic arousal
	b autonomic arousal would precede conscious fear
	c. autonomic arousal and conscious fear would occur at the same time

	20-4.	According to Cannon-Bard, emotion originates in:					
		a. subcortical structures					
		b. the autonomic nervous sytem					
		c. conscious awareness					
	20-5.	The Cannon-Bard theory contends that different emotions (e.g., fear, joy, love, anger) are accompanied by:					
		a. different patterns of autonomic arousal					
		b. nearly identical patterns of autonomic arousal					
		c. neither of the above					
2.1							
21.		Explain the two-factor theory of emotion and evolutionary theories of emotion.					
	21-1.	Schachter's two-factor view is similar to the James-Lange theory in that (<u>visceral arousal/conscious experience</u>) is thought to precede the mental awareness of an emotion. The theory is similar to the Cannon-Bard theory in that (<u>general autonomic arousal/different autonomic responses</u>) is assumed to account for a wide variety of emotions.					
	21-2.	Because arousal is in large part the same regardless of the emotion, according to Schachter, we feel direct emotions as a result of <i>inferences</i> we make from events in the environment. Hence, the two fact in Schachter's theory are (roughly the same for all emotions) and (people's interpretation of the arousal based on the situation).					
	21-3.	For review of the first three of these theories (James-Lange, Cannon-Bard, Schachter two-factor theories) write the appropriate name in the blanks:					
		(a) The subjective experience of emotion is caused by different patterns of autonomic arousal.					
		(b) Emotions cannot be distinguished on the basis of an autonomic arousal; general autonomic arousal causes one to look for an explanation or label					
		(c) Love is accompanied by a different autonomic pattern from hate.					
		(d) The subjective experience of emotion is caused by two factors, by arousal and by cognition.					
		(e) Emotions originate in subcortical brain structures; different emotions produce almost identical patterns of autonomic arousal					
		(f) Ralph observes that his heart pounds and that he becomes a little out of breath at times. He also notices that these signs of arousal occur whenever Mary is around, so he figures that he must be in love					
	21-4.	By preparing an organism for aggression and defense, the emotion of anger helps an organism survive. From an evolutionary perspective, anger as well as the other emotions have value for a species.					

	21-5. Evolutionary theorists view emotions primarily as a group of (<u>innate/learned</u>) reactions that has passed on because of their survival value. They also believe that emotions originate in subcortion parts of the brain that evolved before the cortical structures associated with higher mental proceeding the view of the evolutionary theorists, emotion evolved before thought and is largely (<u>dependent of</u>) thought.				
	21-6.	How many basic, inherited emotions are there? The evolutionary writers assume that the wide range of emotions we experience are blends or different levels of approximately innate or prewired primary emotions.			
REF	LECTI	NG ON THE CHAPTER'S THEMES			
22.	Identi	fy the five unifying themes highlighted in this chapter.			
	22-1.	Five of the text's organizing themes were prominent in this chapter. Indicate which themes fit the following examples by writing the appropriate abbreviations in the blanks below: C for cultural contexts, SH for sociohistorical context, T for theoretical diversity, HE for heredity and environment, and MC for multiple causation.			
		(a) Achievement behavior is affected by achievement motivation, the likelihood of success, the likelihood of failure, and so on			
		(b) Display rules in a culture tell us when and where to express an emotion			
		(c) Changing attitudes about homosexuality have produced more research on sexual orientation; in turn, data from the research has affected societal attitudes			
		(d) Body weight seems to be influenced by set point, blood glucose, and inherited metabolism. It is also affected by eating habits and acquired tastes, which vary across cultures, and			
		(e) The James-Lange theory proposed that different emotions reflected different patterns of physiological arousal; Cannon-Bard theory assumed that emotions originate in subcortical structures; Schachter viewed emotion as a combination of physiological arousal and cognition			
		A DRAWG ATHAN A DAVING TOWN INCODED WINDOWS OF HA DRAWINGS			
		APPLICATION • EXPLORING THE INGREDIENTS OF HAPPINESS			
23.		fy factors that do not predict happiness.			
	23-1.	Indicate whether each of the following statements is true or false.			
		(a) There is very little correlation between income and happiness.(b) Younger people tend to be happier than older people.			

		(c)	People who have childre	en tend to be happier than those without children.				
		(d)	People with high IQ sco	ores tend to be happier than those with low IQ scores.				
		(e)	There is a negligible cor	rrelation between physical attractiveness and happiness.				
	23-2.	List five f	actors discussed in your te	ext that have little or no relationship to happiness.				
			*					
24.		Review information on factors that are moderately or strongly correlated with happiness.						
	24-1.	Indicate v		ving statements is true or false.				
		(a)	One of the strongest pre-	edictors of happiness is good health.				
		(b)	Social support and friend	dship groups are moderately related to happiness.				
		(c)	Religious people tend to	be somewhat happier than nonreligious people.				
		(d)	Love and marriage are s single people.	strongly related to happiness; married people tend to be happier than				
		(e)	Job satisfaction tends to tend to be happy.	be strongly related to general happiness; people who like their jobs				
		(f)	Differences in personalit	ity have a negligible relationship to happiness.				
		(g)	Introverts, on the averag	ge, are just as happy as extraverts.				
		(h)	Genetic predisposition a	accounts for a substantial part of happiness.				
	24-2.	List three	factors that are moderatel	ly correlated with happiness and three that are strongly correlated.				
25.	Explai	Explain four conclusions that can be drawn about the dynamics of happiness.						
	25-1.	One conclusion about happiness is that the objective realities of a situation are less important than our reactions to it.						
	25-2.	Second, h	nappiness is	to the people to whom we compare ourselves. Do we have				
				on whom we compare ourselves to. We generally compare ourselve				
		to those around us who are to us in some dimensions.						

25	9	What future events will make you happy? Unhappy? We think we know, but we tend to (overestimate/unlerestimate) the impact an event will have on our happiness or sadness. A third conclusion is that people at predicting emotional reactions to future events, as found in forecasting. The forecasting our baseline for judg-adaptation is that we often adapt to changing circumstances by shifting our baseline for judg-adaptation. The shift is ing what is pleasant or unpleasant, a process termed adaptation. The shift is not perfect, and negative events have more impact on future happiness than positive events, but we do more than we or others would have predicted. more than we or others would have predicted.				
CRITI	ICAL T	THINKING APPLICATION • ANALYZING ARGUMENTS VERSY	S: MAKING SENSE OUT OF			
CON	IROV	tify the key elements in arguments.	() when it does or not).			
26.	Ident	i sign of statements that our	to prove something (whether it does or			
	26-1.	In logic, an <i>argument</i> is a series of statements that claims to Arguments are comprised of two major parts, a <i>conclusion</i> are statements intended to present reasons for the arguments are statements intended by the premises. An	and one or more <i>premises</i> . The supposedly			
		Arguments are comprised of two major parameters are statements intended to present reasons for the argument derives from or is proved by the premises. An	is a premise for which no evidence			
		are statements intended by	13 4 p			
		or proof is provided.	thod is a science. Psychol-			
		or proof is provided. Consider this logical argument: "Any field of study that to the consider this logical argument argument."	ises the scientific method is a second set of the argument below (C			
	26-2	 Consider this logical argument: "Any field of study that to ogy uses the scientific method. Thus, psychology is a scientific method. 	ence." Label the parts of the			
		for conclusion and P for premise; Any field of study that uses the scientific methods.	nod is a science.			
		Any field of study that does				
		Psychology uses the scientific method.				
		Thus, psychology is a science.				
			1			
		Explain some common fallacies that often show up in	arguments.			
		Read over the section on common logical fandered	ions in parentheses for matching. Note that there are			
		the appropriate terms. (Suggestion: Use the abbreviation five fallacies and nine examples; some fallacies are u	Sed more and			
		irrelevant reasons (IR)				
		circular reasoning (CR)				
		slippery slope (SS)				
		weak analogies (WA)	187			
		false dichotomy (FD)				
		TOTION				

(a)	people. (Hint: Is the conclusion different from the premise?)				
(b)	_	somnia should use the herb mentry. (Hint: Is the premise real	elatonin because insomnia is an enormous prob- ly related to the conclusion?)		
(c)	Vitamin C is enhave taken it for		he aging process. I know it is effective because I		
(d)		xtremely effective in slowing that it works to reduce aging.	the aging process. Obviously, the reason I take		
(e)	An argument from the 1960s: If we don't stop communism in Vietnam now, it will spread next to Laos, then to Cambodia, and then to the entire Southeast Asian Peninsula.				
(f)		ment from the 1990s: We can fight in the Balkans now, or we can prepare for World Hint: Are these our only choices?)			
(g)	From 2003: Yo	ou are either with us, or you are	e with the terrorists.		
(h)	From 2005: W	e can either fight them in Iraq,	or we will have to fight them here.		
(i) Ralph bought a mixmaster on a Tuesday in Peoria and it lasted a long time. I ter on a Tuesday in Peoria, it should also last a long time.					
c			t au wo hall i		
			*		
Review of Ke	y Terms				
Achievement motive		Glucose	Obesity		
Affective forecasting		Glucostats	Polygraph		
Argument		Hedonic Adaptation	Premises		
1		Heterosexuals	* Refractory period Set point theory		
Bisexuals Body Mass Index (BMI)		Homeostasis Homosexuals	Settling-point theory		
Display rules		Incentive	Sexual orientation		
Drive Lie detector			Subjective well-being		
Emotion Motivation			Vasocongestion		
Galvanic skin response (GSR)				
	1.	Goal-directed behavior that desires, and incentives.	may be affected by needs, wants, interests,		
	2.	Cultural norms that regulate	e the expression of emotions.		
	3.	One or more premises that a	are used to provide support for a conclusion.		

4.	The reasons presented in an argument to persuade someone that a conclusion is true.
5.	Premises in an argument which are assumed but for which no proof or evidence is offered.
6.	A measure of weight that controls for variations in height; weight in kilograms divided by height in meters, squared.
7.	A reaction that includes cognitive, physiological, and behavioral components.
8.	Blood sugar.
9.	
10.	blood.
11.	Refers to our ability to predict emotional reactions to future events.
12.	continue of the back weight
13.	The condition of being overweight.
14.	
15.	The informal name for polygraph, an apparatus that monitors physiological aspects of arousal (e.g., heart rate, GSR).
.16	A state of balance or equilibrium in the body.
17	. An internal state of tension that motivates an organism to reduce tension.
18	. Engorgement of the blood vessels during the human sexual response.
19	
20	stimulation.
21	same sex, the other sex, or either sex.
22	sex.
23	 People who seek emotional-sexual relationships with members of the other sex.
2.4	Leople who seek emotional-sexual relationships with members of either sex.
25	that the same of factors and that
20	fit is a grand I happiness and life
2'	7. The need to master difficult challenges and to excel in competition with others.
, 28	3. An increase in the electrical conductivity of the skin related to an increase in sweat gland activity.

Review of Key People

David Buss		William James	David McClelland
Walter Cannon		Joseph LeDoux	Stanley Schachter
Ekman & Wallace Friesen		William Masters & Virginia Johnson	
	1.	Proposed that emotions arise in subcor	tical areas of the brain.
	2.	Prominent evolutionary theorist who e gender differences in human mate pref	
	3.	Proposed the two-factor theory of emo	tion.
	4.	Proposed that the amygdala serves as a especially to sensory input involving the	
,	5.	Did the ground-breaking work on the presponse.	physiology of the human sexual
	6.	Is responsible for most of the early res	earch on achievement motivation.
	7.	In a series of cross-cultural studies fou basic emotions from facial expressions	
	8.	Thought that emotion arose from one's arousal.	s perception of variations in autonomic

Self-Quiz

- 1. What generally happens when a rat's ventromedial hypothalamus (VMH) is lesioned?
 - a. It starts eating.
 - b. It looks for a sexual partner.
 - c. It becomes aggressive.
 - d. It loses bladder and bowel control.
- **2.** The hunger and eating are influenced by:
 - a. glucose and leptin
 - b. complex brain circuits
 - c. the variety and quantity of food available
 - d. all of the above
- 3. What is the effect of insulin on blood glucose?
 - a. Glucose level increases.
 - b. Glucose level decreases.
 - c. Glucose changes to free fatty acids.
 - d. CCK increases.
- **4.** According to this theory, the sex that makes the larger investment in offspring (bearing, nursing, etc.) will be more selective of partners than the sex that makes the smaller investment.
 - a. adaptation level theory
 - b. parental investment theory
 - c. investment differentiation theory
 - d. social learning theory