

Emotions, Stress, and Health

Chapter 12

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Emotion Emotions are our body's adaptive response.

2



Theories of Emotion

Emotions are a mix of 1) physiological activation, 2) expressive behaviors, and 3) conscious experience.



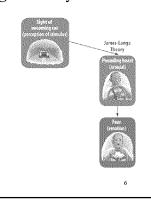
Controversy

- 1) Does physiological arousal precede or follow your emotional experience?
- 2) Does cognition (thinking) precede emotion (feeling)?

Commonsense View When you become happy, your heart starts beating faster. First comes conscious awareness, then comes physiological activity.

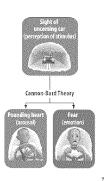
James-Lange Theory

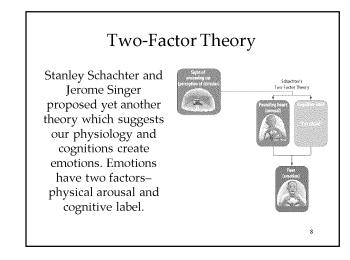
William James and Carl Lange proposed an idea that was diametrically opposed to the common-sense view. The James-Lange Theory proposes that physiological activity precedes the emotional experience.

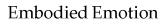


Cannon-Bard Theory

Walter Cannon and Phillip Bard questioned the James-Lange Theory and proposed that an emotion-triggering stimulus and the body's arousal take place simultaneously.





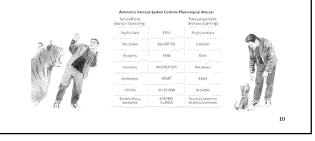


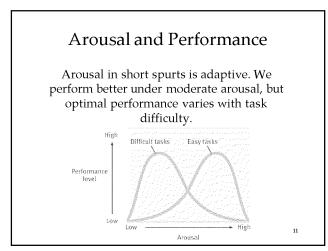
We know that emotions involve bodily responses. Some of these responses are very noticeable (butterflies in our stomach when fear arises), but others are more difficult to discern (neurons activated in the brain).

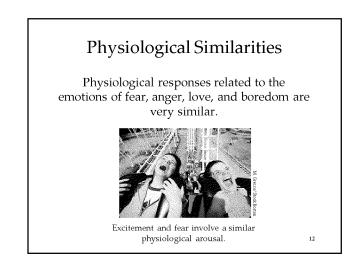
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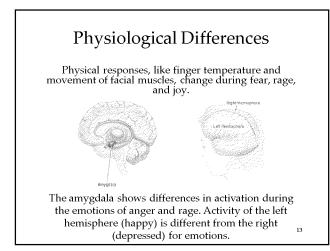
Emotions and the Autonomic Nervous System

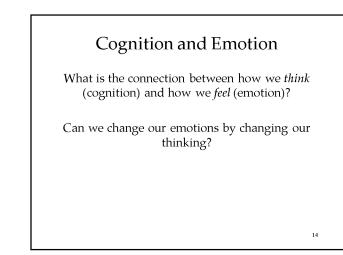
During an emotional experience, our autonomic nervous system mobilizes energy in the body that arouses us.

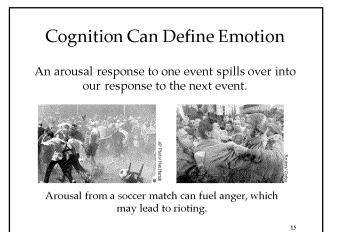


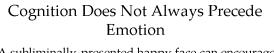




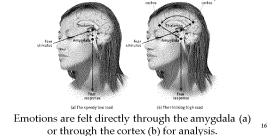


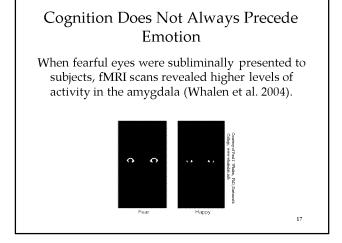


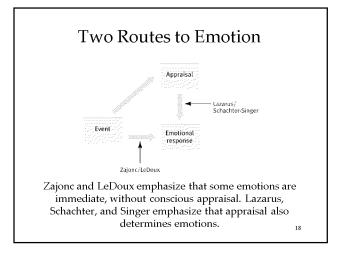


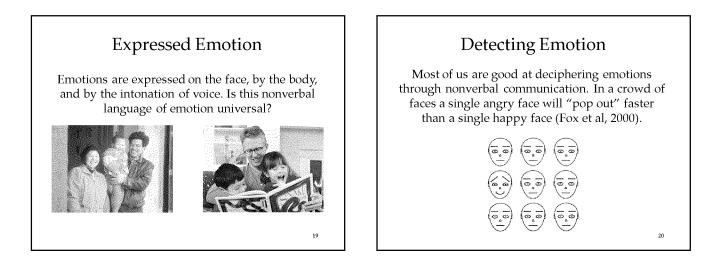


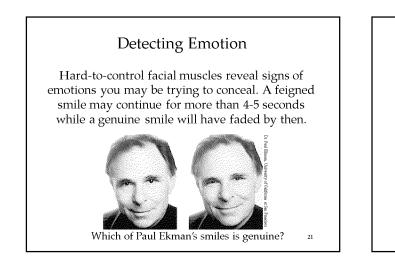
A subliminally presented happy face can encourage subjects to drink more than when presented with an angry face (Berridge & Winkeilman, 2003).









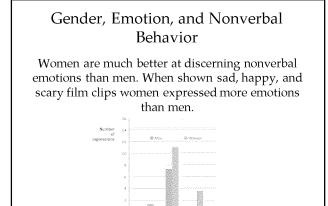


Hindu Dance

In classical Hindu dance, the body is trained to effectively convey 10 different emotions.



22



23

Culture and Emotional Expression

When culturally diverse people were shown basic facial expressions, they did fairly well at recognizing them (Matsumoto & Ekman, 1989).



Emotions are Adaptive

Darwin speculated that our ancestors communicated with facial expressions in the absence of language. Nonverbal facial expressions led to our ancestor's survival.

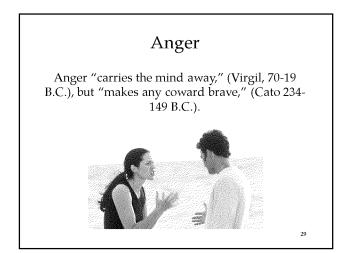


Analyzing Emotion Analysis of emotions are carried on different levels. Nationary adaptiveness Pointive labeling Pointive l



Attaching two golf tees to the face and making their tips touch causes the brow to furrow. ²⁷





Causes of Anger

- 1. People generally become angry with friends and loved ones who commit wrongdoings, especially if they are willful, unjustified, and avoidable.
- 2. People are also angered by foul odors, high temperatures, traffic jams, and aches and pains.

30

32

Catharsis Hypothesis

Venting anger through action or fantasy achieves an emotional release or "catharsis."

Expressing anger breeds more anger, and through reinforcement it is habit-forming.

31

Cultural & Gender Differences

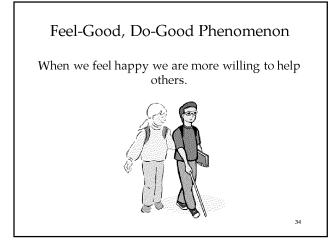
- 1. Boys respond to anger by moving away from that situation, while girls talk to their friends or listen to music.
- 2. Anger breeds prejudice. The 9/11 attacks led to an intolerance towards immigrants and Muslims.
- 3. The expression of anger is more encouraged in cultures that do not promote group behavior than in cultures that do promote group behavior.



Happiness

People who are happy perceive the world as being safer. They are able to make decisions easily, are more cooperative, rate job applicants more favorably, and live healthier, energized, and more satisfied lives.

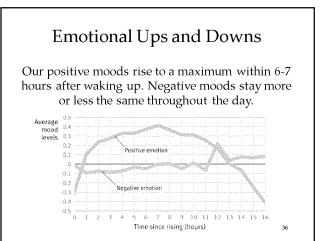


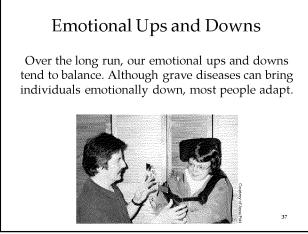


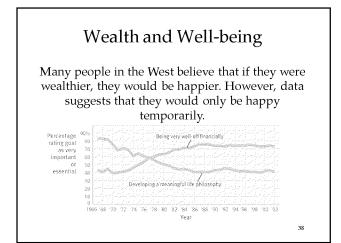
Subjective Well-Being

Subjective well-being is the self-perceived feeling of happiness or satisfaction with life. Research on new positive psychology is on the rise.





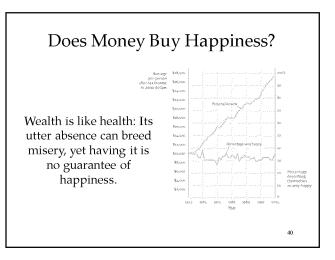




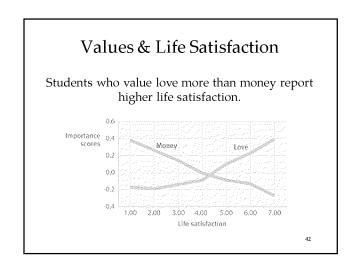
Wealth and Well-being

- 1. In affluent societies, people with more money are happier than people who struggle for their basic needs.
- 2. People in rich countries are happier than people in poor countries.
- 3. A sudden rise in financial conditions makes people happy.

However, people who live in poverty or in slums are also satisfied with their life.







Happiness & Prior Experience

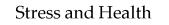
Adaptation-Level Phenomenon: Like the adaptation to brightness, volume, and touch, people adapt to income levels. "Satisfaction has a short half-life" (Ryan, 1999).

Happiness & Others' Attainments

Happiness is not only relative to our past, but also to our comparisons with others. Relative Deprivation is the perception that we are relatively worse off than those we compare ourselves with.

43

Why are some people generally more happy than others?	
Researchers Have Found That Happy People Tend To	However, Happiness Seems Not Muc Related to Other Factors, Such As
Have high self-esteem (in individualistic countries).	
Be optimistic, outgoing, and agreeable. Have close friendships or a satisfying marriage.	Conder (women are more often depressed
Have close friendships or a satisfying marriage.	Education levels.
Have work and leisure that engage their skills.	Parenthood (having children or not).
Have a meaningful religious faith.	Physical attractiveness.
Sleep well and exercise.	



Psychological states cause physical illness. Stress is any circumstance (real or perceived) that threatens a person's well-being.



When we feel severe stress, our ability to cope with it is impaired. 46

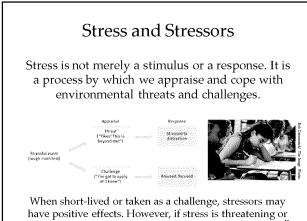
Stress and Health

Stress can be adaptive. In a fearful or stresscausing situation, we can run away and save our lives. Stress can be maladaptive. If it is prolonged (chronic stress), it increases our risk of illness and health problems.

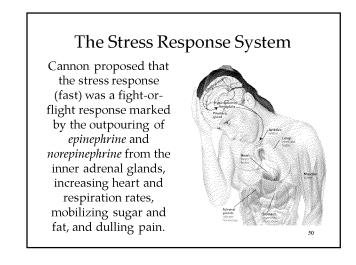
Stress and Stressors

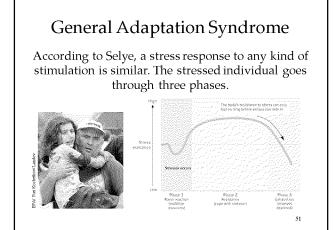
Stress is a slippery concept. At times it is the stimulus (missing an appointment) and at other times it is a response (sweating while taking a test).

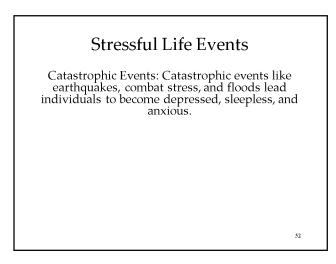
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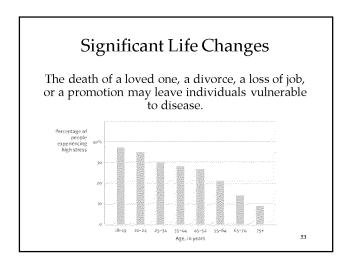


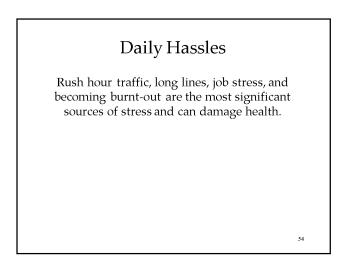
ve effects. However, if stress is threaten prolonged, it can be harmful.

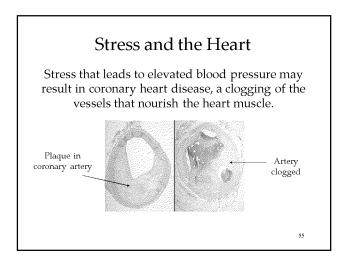


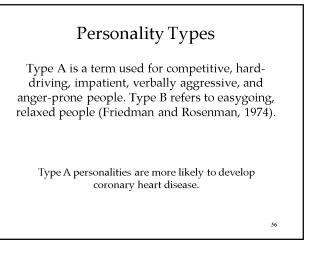


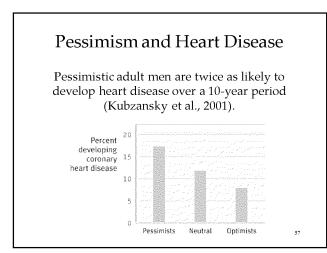


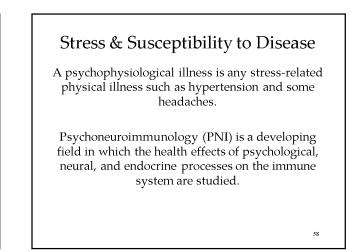






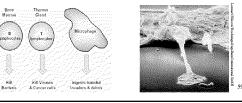


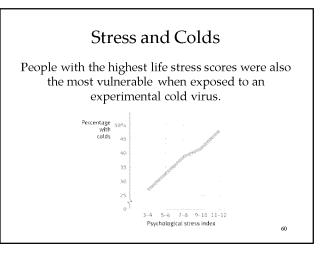


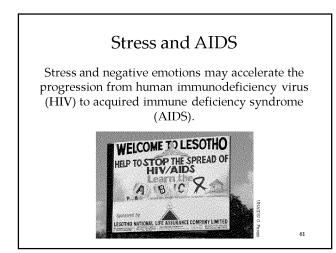


Psychoneuroimmunology

B lymphocytes fight bacterial infections, T lymphocytes attack cancer cells and viruses, and microphages ingest foreign substances. During stress, energy is mobilized away from the immune system making it vulnerable.



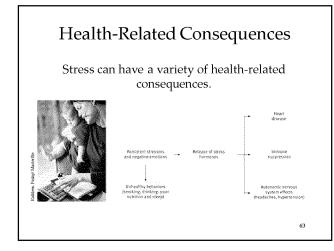




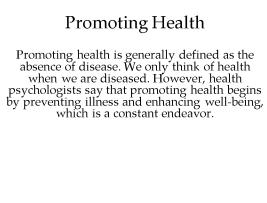
Stress and Cancer

Stress does not create cancer cells. Researchers disagree on whether stress influences the progression of cancer. **However**, they do agree that avoiding stress and having a hopeful attitude cannot reverse advanced cancer.

62



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Coping with Stress

Reducing stress by changing events that cause stress or by changing how we react to stress is called problem-focused coping.

Emotion-focused coping is when we cannot change a stressful situation, and we respond by attending to our own emotional needs.

66

