AnimatedPsych.com

VIDEO GUIDE · UNIT 1 · TOPIC 1.6

Touch and Pain

Watch the lesson

Name _____ Class _____ Date _____

NOTES: FILL IN THE BLANKS WHILE YOU WATCH

1. Touch is made up of several _____ : pressure, warmth, cold, and pain.
2. _____ detect harmful stimulation, like extreme heat or tissue damage; this protects us by warning of harm.
3. _____ : a neurological gate in the _____ either lets pain signals through to the brain or reduces them; pain signals open the gate, while touch signals (e.g., rubbing a bumped elbow) or signals from the brain can close it.
4. In _____ , sensations such as pain seem to come from a missing _____ ; the brain produces them without any input from that _____ .
5. Attention, expectations, emotions, and past experiences affect pain; simply expecting a _____ to work can reduce pain.

CHECK YOUR UNDERSTANDING

1. A child born unable to feel pain repeatedly burns her hands and doesn't notice a broken ankle. This best shows that:

(A) Pain serves a protective function by warning of harm

(B) Pain is purely psychological

(C) Pain receptors are the only receptors in the skin

(D) The pain gate is always closed in children

2. Two patients have the same minor procedure. One is anxious and expects it to hurt badly; the other is calm. The anxious patient reports more pain. This best shows that:

(A) Pain is a direct readout of tissue damage

(B) The patient is experiencing phantom limb sensation

(C) Psychological factors like expectations and emotions affect pain

(D) Touch signals have opened the pain gate

AP® is a registered trademark of the College Board, which is not affiliated with, and does not endorse, this site.

3. According to gate-control theory, which of the following would most likely open the spinal cord's pain gate, letting more pain signals reach the brain?

(A) Rubbing the injured area

(B) Focusing intently on an exciting game

(C) Expecting a treatment to work

(D) A strong flow of pain signals from tissue damage

NOTES

AP® is a registered trademark of the College Board, which is not affiliated with, and does not endorse, this site.