

HANDOUT 2-2

Instructions: How might each of the following parts of the brain be active while we drive a car?

Cerebellum

Medulla

Pons

Reticular formation

Thalamus

Hypothalamus

Amygdala

Hippocampus

Corpus callosum

Frontal lobe:

Motor cortex

Broca's area

Prefrontal cortex

Parietal lobe:

Somatosensory cortex

Occipital lobe:

Visual cortex

HANDOUT 2–2 (*continued*)

Temporal lobe:

Auditory cortex

Wernicke's area

Source: "Use Your Brain: Critical Thinking in Action" by Thomas P. Pusateri, Florida Atlantic University, Boca Raton, FL from CTUP Symposium: It Can Be Taught! Hands-on Activities That Model the Process of Critical Thinking. Paper presented at the 72nd Annual Meeting of the Midwestern Psychological Association, May 5, 2000. Reprinted by permission of Thomas P. Pusateri.

HANDOUT 2–3

Case Studies

Instructions: Three situations are described below. In each case, describe the parts of the brain activated in that situation.

Anne, the landscape artist, is standing at her easel, painting with her right hand as she looks out the window at her garden. She's listening to classical music as she paints.

Crazy Eddie, the professional wrestler, is in the ring wrestling. The crowd is yelling and his opponent is taunting him. Eddie yells back at his opponent. The two of them are out of breath and sweating profusely. They continue their well-orchestrated series of wrestling moves.

Jill is a law student studying for her exam. She is reading about violent rape and murder cases. She is snacking on popcorn and drinking coffee.

Source: Reprinted by permission of Lawrence Erlbaum Associates, Inc. from Sheldon, J. (2000). A neuroanatomy teaching activity using case studies and collaboration. *Teaching of Psychology*, 27(20), 126–128.