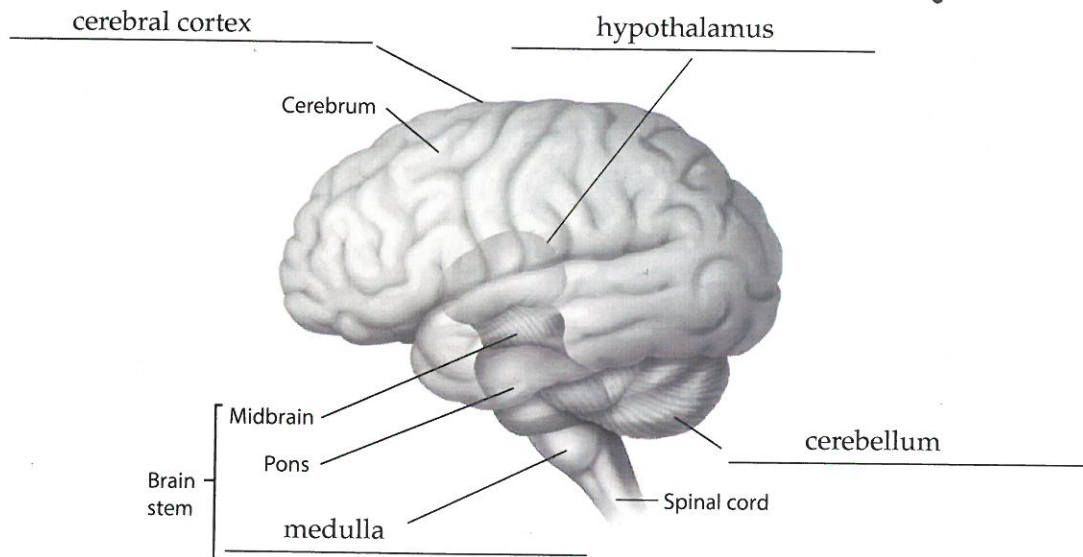


Lesson 10.1 Alcohol and the Brain

Answer Key



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1. Part of the brain: *neurotransmitters*
Effect of alcohol: changes the levels of neurotransmitters
Consequences of impairment: slurred speech, sluggish body movements, interference with ability to think clearly
2. Part of the brain: *cerebral cortex*
Effect of alcohol: reduces brain's ability to process information
Consequences of impairment: inability to think clearly, reduced inhibition
3. Part of the brain: *cerebellum*
Effect of alcohol: disrupts normal functioning
Consequences of impairment: difficulty walking steadily, difficulty coordinating body movements
4. Part of the brain: *hypothalamus*
Effect of alcohol: affects release of hormones
Consequences of impairment: increased sexual arousal, decreased ability to perform sexually
5. Part of the brain: *medulla*
Effect of alcohol: disrupts functioning
Consequences of impairment: sleepiness, slow breathing, low body temperature

Answer Key

Lesson 10.1 Level of Intoxication

1. A. Kate: 1.2
Bill: 2.4
Stacy: 0.9
B. 0.9
C. Kate: 0.3
Bill: 1.5
Stacy: 0
D. Bill
2. A. Gene: 1.8
John: 0.6
B. 0.6
C. Gene: 1.2
John: 0
D. Gene
3. A. Lauren: 1.8
Andrea: 0.6
Luke: 0.3
B. 0.3
C. Lauren: 1.5
Andrea: 0.3
Luke: 0
D. Lauren
4. A. Barry: 3
Derek: 6
B. 1.8
C. Barry: 1.2
Derek: 4.2
D. Derek