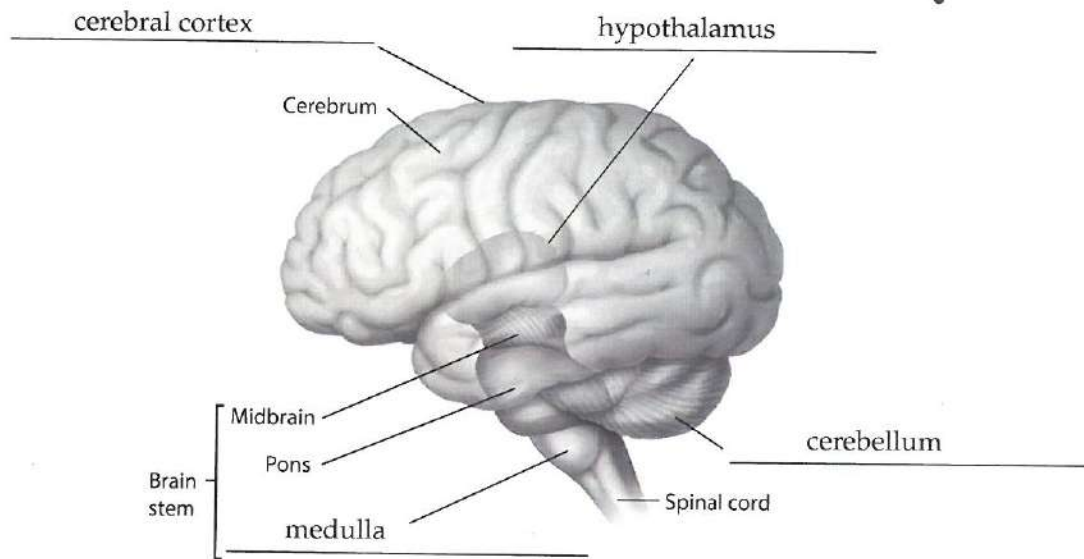


## Lesson 10.1 Alcohol and the Brain

# 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