

Name: _____
Date: _____

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“Alcohol Alters Prefrontal Cortex Activity through Ion Channel Disruption”

1. The role of the prefrontal cortex is to:
 - a. weigh risks and benefits of behavior
 - b. protect from risky or dangerous actions
 - c. block alcohol's effects on the brain
 - d. both a and b
2. It is believed that alcohol may affect one or more ion gates in the prefrontal cortex, which can lead to what alterations in an individual's behavior?

3. Results of this study indicate that it is possible to determine how alcohol causes its effects on the brain, which will eventually lead to the development of better treatments for alcoholism.

TRUE FALSE

“Binge Drinkers are Responsible for Most Alcohol-Impaired Driving on American Roads”

4. What do the authors of this study cite as reasons that current policies to address impaired driving need to be changed?

5. Strategies which the authors support to help reduce alcohol impaired driving include:
 - a. sobriety checkpoints
 - b. increased alcohol-excise taxes
 - c. happy hour restrictions
 - d. all of the above

“Aripiprazole has Potential for Treating Alcohol Dependence”

6. How does Aripiprazole, a “dopamine partial agonist” used to treat bipolar disorder, impact alcohol's effects in an individual?
 - a. by increasing the rewarding effects of alcohol
 - b. by reducing the rewarding effects of alcohol
 - c. it has no impact on alcohol effects
 - d. none of the above
7. What are the possible implications of aripiprazole's impact on alcohol's effects for both treatment and side-effect management during withdrawal?

8. The usefulness of aripiprazole is unclear in this effort due to the possible side-effects of taking the drug outweighing its beneficial effects.

TRUE FALSE

“Genetics and the Environment have Different Influences on the “Pathway of Risk” leading to Alcohol Dependence”

9. What are some of the reasons identified by the authors that women have historically been underrepresented in alcohol research?

10. Results of this study show that the most effective strategies for delaying a girl's first alcohol use should focus on genetic, not environmental, factors.

TRUE FALSE