

Pre Test

Burden Disclosure Statement for References

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BIOGRAPHICAL INFORMATION

YOUR DATE OF BIRTH:



Month day year

LAST 4 DIGITS OF YOUR PHONE NUMBER



**If no home phone number, please use locker number.

1. YOUR GRADE:

- A. 10TH
- B. 11TH

2. YOUR GENDER:

- A. Male
- B. Female

3. RACE/ETHNICITY:

- A. American Indian or Alaska Native
- B. Asian
- C. Black or African American
- D. Native Hawaiian or Other Pacific Islander
- F. White
- G. Caribbean Native

Ethnicity:

- H. Hispanic or Latino
- I. Not Hispanic or Latino

Knowledge Questions

Match the various parts of the brain are responsible for the various function:

- | | |
|--------------------------|--------------------|
| _____ 1. Cerebral Cortex | A. Balance |
| _____ 2. Amygdala | B. Breathing |
| _____ 3. Brain stem | C. Fear |
| _____ 4. Cerebellum | D. Higher learning |

5. Neurons are the network of specialized cells within the

- | | | | |
|-------|-------|-------|--------|
| A | B | C | D |
| Heart | Lungs | Brain | Kidney |

6. The synapse is the space between two:

- | | | | |
|----------------------|------------------|----------------|------------------------|
| A | B | C | D |
| Adjacent heart beats | Adjacent neurons | Adjacent lungs | Adjacent blood vessels |

8. An example of a neurotransmitter is:

- | | | | |
|----------|-----|----------|-----|
| A | B | C | D |
| Dopamine | ADH | Steroids | TCH |

9. The organs of the body receive blood from the:

- | | | | |
|----------|--------|-------|---------|
| A | B | C | D |
| Arteries | Nerves | Veins | Airways |

10. The organ responsible for drawing oxygen into the body is:

- | | | | |
|-------|------|-------|--------|
| A | B | C | D |
| Heart | Lung | Brain | Kidney |

11. Cocaine stimulates the release of what brain chemical (neurotransmitter)

- | | | | |
|--------|------------|----------|--------|
| A | B | C | D |
| Oxygen | Adrenaline | Dopamine | Carbon |

12. The way that cocaine causes stimulation is:

- A. Large amounts of dopamine leak out of the bloodstream
- B. Brain cells(neurons) absorb the excess dopamine, which causes the neurons to be re-stimulated
- C. It sends excessive amounts of oxygen into the blood stream
- D. It restricts the amount of dopamine leaked out into the bloodstream

13. The "low" of cocaine is caused by:

- A. Lowered dopamine stores in the brain
- B. Lowered dopamine stores in the heart
- C. Lowered dopamine stores in the lung
- D. Lowered dopamine stores in the kidney

14. Cocaine's stimulant effect on the brain can lead to:

- | | | | |
|----------|-------------|-------------------|---------------|
| A | B | C | D |
| Seizures | Muscle pain | Trouble breathing | Double vision |

15. A stroke can occur in a cocaine user when:

- A. Blood vessels in the heart expand
- B. Blood vessels in the brain constrict, causing decreased blood flow to a portion of the brain
- C. Too much oxygen is released into the bloodstream

D. Too much alcohol is released in the bloodstream

16. Cocaine can cause the following symptom:

- | | | | |
|-----------|------------|-----------|-------------|
| A | B | C | D |
| Nosebleed | Itchy rash | Hair Loss | Yellow Skin |

17. Cocaine causes adrenaline release leading to:

- | | | | |
|--|-------------|-----------------------------------|-----------|
| A | B | C | |
| D | | | |
| Slowing of the heart rate
oxygen in the bloodstream | Memory loss | Rapid and irregular heart beating | Decreased |

18. Cocaine can cause a heart attack by:

- A. Constricting a blood vessel within the heart
- B. Expanding a blood vessel within the heart
- C. Expanding blood vessels in the kidney
- D. Causing the lungs to collapse

19. Respiratory problems can result from smoking cocaine by:

- A. Causing the airways of the lungs to widen
- B. Causing the heart to slow down
- C. The lungs becoming overfilled with oxygen
- D. Causing the airways of the lungs to squeeze closed

20. Bleeding within the brain after taking cocaine can be caused by

- A. A rapid rise in blood pressure causing blood vessels in the brain to burst
- B. A rapid decrease in blood pressure
- C. A rapid increase of oxygen levels in the blood
- D. Dopamine entering the brain and breaking down blood vessels

21. Cocaine can cause which of the following problems pregnancy:

- A. Oversized baby
- B. Bleeding
- C. Too much oxygen for the baby
- D. Excess weight gain in mother

22. Marijuana exerts its effects on the brain by:

- A. Dissolving cannaboid receptors
- B. Binding to cannaboid receptors
- C. Multiplying cannaboid receptors
- D. Dissolving opium receptors

23. THC, the active component in marijuana is :

- A. A liquid
- B. A molecule
- C. A protein
- D. An acid

24. Which areas of the brain contain large amounts of cannaboid receptors?

- A. Cerebellum(balance center)
- B. Gyri
- C. Spinal Cord

D. Brain stem

25. Marijuana can effect the eyes by:

- A. Causing blindness
- B. Causing redness
- C. Improving vision
- D. Causing eye pain

26. Smoking marijuana can increase risk of heart attack by:

- A. Lowering heart rate and blood pressure
- B. Increasing heart rate and blood pressure
- C. Increasing oxygen in blood
- D. Increasing alcohol levels in blood

27. Which of the following are increased with marijuana use:

- A. Stomach ulcers
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28. Lung effects of marijuana use include:

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29. Marijuana weakens the immune system by:

- A. Raising the body's temperature
- B. Decreasing the number of cells that fight infection
- C. Increasing the number of cells that fight infection
- D. Lowering the body's temperature

Drug use attitudinal questions

30. I believe using drugs is **harmful to my health**

- | | | | | |
|----------------|-------|---------|----------|-------------------|
| A | B | C | D | E |
| Strongly Agree | Agree | Neutral | Disagree | Strongly Disagree |

31. I believe that drug use can have a negative **impact on school performance.**

- | | | | | |
|----------------|-------|---------|----------|-------------------|
| A | B | C | D | E |
| Strongly Agree | Agree | Neutral | Disagree | Strongly Disagree |

32. I would be **comfortable refusing drugs** if they were offered to me.

- | | | | | |
|----------------|-------|---------|----------|-------------------|
| A | B | C | D | E |
| Strongly Agree | Agree | Neutral | Disagree | Strongly Disagree |

33. I believe that drug use can have a negative **impact on personal relationships.**

- | | | | | |
|---|---|---|---|---|
| A | B | C | D | E |
|---|---|---|---|---|

Strongly Agree Agree Neutral Disagree Strongly Disagree

34. I believe that **using drugs** is okay every once and awhile.

A B C D E
Strongly Agree Agree Neutral Disagree Strongly Disagree

35. I believe that using drugs with friends is a **good way to socialize on the week-ends**.

A B C D E
Strongly Agree Agree Neutral Disagree Strongly Disagree

36. I believe that **using drugs** is part of growing up.

A B C D E
Strongly Agree Agree Neutral Disagree Strongly Disagree

Science Attitudinal Questions

37. I enjoy science classes

A B C D E
Strongly Agree Agree Neutral Disagree Strongly Disagree

38. I would like to continue to take science classes after this year

A B C D E
Strongly Agree Agree Neutral Disagree Strongly Disagree

39. I would like to study science after I graduate from high school

A B C D E
Strongly Agree Agree Neutral Disagree Strongly Disagree

40. In the future, I would like to have a job that involves some type of science (ex. Nurse, XXX)

A B C D E
Strongly Agree Agree Neutral Disagree Strongly Disagree

41. Science classes are fun

A B C D E
Strongly Agree Agree Neutral Disagree Strongly Disagree

42. I like the activities we do in science class

A B C D E
Strongly Agree Agree Neutral Disagree Strongly Disagree

43. Science classes are interactive
A B C D E
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44. I see the benefit of studying science
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A B C D E
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48. I believe that computers can be good educational tools
A B C D E
Strongly Agree Agree Neutral Disagree Strongly Disagree
49. Sometimes I get confused when using a computer
A B C D E
Strongly Agree Agree Neutral Disagree Strongly Disagree
50. Using a computer based education is fun
A B C D E
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mm/dd/yyyy

Post Test

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