Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block \_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**PRETEST 2015-16: SEADAP**

***Instructions:*** *Please respond to the following items. For each item, please select* ***one*** *answer.*

1. Which of the following substances is considered a drug?

1. alcohol B. caffeine C. nicotine D. all of the above

2. Drug addiction is best defined as:

1. a bad habit
2. a disease that is characterized by occasional drug use that temporarily changes a person’s behavior
3. a disease that is characterized by the controlled use of drugs
4. a disease that is characterized by an uncontrollable, compulsive urge to seek and use drugs

3. When someone uses drugs repeatedly, their brain \_\_\_\_\_\_\_\_.

1. is not changed
2. becomes larger than before
3. becomes trained to crave the drug
4. all of the above

4. Repeated drug abuse can change the brain and “hijack” the brain’s reward system. This means:

1. large amounts of the chemical dopamine flood your system, creating the “high”
2. things that normally make you happy aren’t fun anymore
3. drug cravings become nearly impossible to ignore
4. all of the above

5. Drugs of abuse create intense feelings because they \_\_\_\_\_\_\_\_\_\_\_\_.

1. depress the nervous system
2. shut off receptors in the occipital lobe
3. increase levels of dopamine in the limbic system
4. none of the above

6. Humans are in their early to mid-twenties before their brain is fully matured. This is why people get concerned when teens use drugs, because chemicals can affect the developing brain. The last part of the brain to mature is the:

1. limbic system B. nervous system C. prefrontal cortex D. none of the above

7. Biomedical research is a science that looks for ways to prevent and treat diseases that cause illnesses and death in people and in animals. Thus biomedical researchers \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. study the effects of various chemicals on the human body
2. investigate new technologies or disease treatment methods
3. conduct research on animals and/or on human subjects
4. all of the above

8. Why are mice often associated with medical research?

1. they are widely considered to be a prime model of inherited human disease
2. they share 75% of their genome with humans
3. they share 99% of their genes with humans
4. all of the above

9. Planarians are ideal for biomedical research because they \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. are mammals
2. are similar to humans in terms of their eating and sleeping patterns
3. display addiction-like behaviors to many drugs abused by humans
4. all of the above

10. Which of the following would **NOT** be a career related to biomedical research?

1. meteorologist B. pharmacologist C. physiologist D. forensic scientist

11. Which of the following factors play a major role in whether someone becomes addicted to drugs?

1. genes B. environment C. age of first drug use D. all of the above

12. Bioethics is primarily concerned with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. healthcare law C. the ethical implications of biological research methods and results

B. etiquette in medical facilities D. none of the above