Biomedical Technology

Biomedical Research

Worksheet B

Multiple Choice

1. Why are all children under two not receiving the recommended vaccinations?
   a. Because parents are too busy to take their children to get the vaccinations
   b. Because parents are not familiar with infectious diseases and they have become unworried about the potential of infectious diseases making their child sick
   c. Because the children cry when they get a shot and the parents do not want to make their children cry

2. Insulin is manufactured using genetic engineering techniques in which:
   a. Yeasts are made to produce plant insulin
   b. Bacteria are made to produce human insulin
   c. It is synthetically created in test tubes

3. In 1922 insulin was extracted from an animal and used to treat a 14 year old boy. What type of animal was it?
   a. Pig
   b. Cow
   c. Chicken

4. Heart disease has been decreased by the avoidance of what behavior?
   a. Cigarette smoking
   b. Eating healthy snack foods
   c. Alcohol consumption

5. The WHO targeted which infectious disease for eradication in 1967?
   a. AIDS
   b. Small Pox
   c. Tetanus

6. Reduction of the severity of (a disease) or virulence or vitality of (a pathogenic agent) means the disease or pathogenic agent has been _____________.
   a. Attended
   b. Attentive
   c. Attenuated
Fill in the blank

7. ____________ is the disease most often studied in biomedical research.

8. Gene therapy is used to treat ____________ today thanks to researchers like Dr. Dennis Sladman of UCLA.

9. People with ____________ have a better way to test their blood sugar levels now due to improvements in biomedical technology.

10. New glucose monitoring equipment takes less blood to read the amount of ____________ in the blood.

11. The heart-lung machine was designed by a biotechnologist 40 years ago and forever changed how ____________ surgery is done.

12. Happily we can say that ____________ is a childhood cancer of the blood that has a good survival rate because of biomedical research. Fifty years ago the survival rate was 0%.

13. Dr. Albert Sabine developed a vaccine for ____________ which he created from the attenuated polio virus.

14. ____________ was added to public drinking water as a result of biomedical research on tooth decay.

15. Alexander Fleming, a 20th century scientist and biomedical researcher discovered the antibiotic ____________.