Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Station 1

Article: History

What are three different cultural beliefs, myths, or religions regarding blood?

What are some of the early medical practices discussed in the article? Be sure to include the society that used them.

Who contributed in the Modern Era to the discovery of the cellular levels of blood?

Station 2:

Article: The Innocence Project Christopher Abernathy

*“In 1982, white blood cells were used as a source of DNA by Dr. Alec Jeffreys to produce the first DNA Profile. The first legal case involving DNA evidence is described in a novel entitled ‘The Blooding’ by Joseph Wambaugh. Today, DNA profiling or DNA fingerprinting is widely accepted and is used by such programs as ‘The Innocence Project’ to help free inmates who have been falsely convicted of crimes.”*

* *Pg. 198 in your textbook*

The following article about Christopher Abernathy highlights his exoneration due to DNA Profiling.

What was the crime he was accused of committing? How long was he incarcerated?

Summarize how he was exonerated (let go)?

Station 3:

Article: What is Blood?

Answer the Following Questions

What is blood composed of?

What are the functions of blood in the body?

Classwork after Stations

We will talk more about blood typing, but given the following probabilities of having ABO and Rhesus + and -, calculate the percentages of the population that will have each of the following specific blood types. Remember, that in order to find the probability of combined blood types, you must multiply the probability of ABO with Rh. (just like in math ☺ )

Probabilities

ABO

|  |  |
| --- | --- |
| A | 42% |
| B | 12% |
| AB | 3% |
| O | 43% |

Rh

|  |  |
| --- | --- |
| Rh + | 85% |
| Rh - | 15% |

What percentage of the population is A+?

What percentage of the population is A-?

What percentage of the population is B+?

What percentage of the population is B-?

What percentage of the population is AB+?

What percentage of the population is AB-?

What percentage of the population is O+?

What percentage of the population is O-?