Biology Assignment 6

1. What does mashing the strawberries and treating them with detergent do to their cells?

Mashing the berries releases individual cells. The detergent breaks the cell wall and cell membrane.

Mashing the berries and using detergent allows the DNA to replicate

Mashing the berries and using detergent allows us to better view the DNA

Mashing the berries and using detergent is not necessary. We can see DNA without those steps

2. Name a liquid that DNA is NOT soluble in?

Water

Alcohol

detergent

buffer solution

3. If you had extracted DNA from animal cells instead of plant cells, what cell barrier would have been different? What do plant and animal cells have that bacterial cells do not?

Cell membrane

Cell Wall

Nucleus

Ribosomes

4. Do you think that DNA from animal cells would look the same as DNA from plant cells?

Yes, the DNA would look differently if I were to use the same procedure

No, the DNA would NOT Alook differently if I were to use the same procedure

5. Which of the following is NOT an example of something a scientist can do with extracted DNA.

Catch criminals

Clone animals

Find cures for diseases

None of the above