

## Letter to a Friend

### Criteria

You have just finished extracting your own DNA, which I am sure you thought was a “cool” activity. You are so excited about it you just cannot wait to tell your friend how you did it. Therefore, you are going to write a “letter to a friend” describing the process you used for the extraction and precipitation of your own DNA.

#### *In your letter, you need to:*

- Introduce the activity
- Explain what DNA is and where it is found
- Discuss the procedure you used to extract your DNA and make your necklace.
- Explain the importance and significance of each step of the procedure; explain why you needed to do each step
- Tell your friend what you thought about the activity; was it what you figured it would be? [ your personal reflection]

#### *While writing your letter, you need to remember that:*

- You must gain the attention of the reader.
- You need to use complete sentences
- You need to include the component of a letter
- You must check your spelling
- Your letter must include scientific facts with each term
- You need to be creative but scientifically accurate
- Your final draft must be typed

***To help you out, I have included a list of words that should be used in your letter. The more words you use the better your grade! When using the terms, you need to:***

- Underline the term the first time you use it.
- Bold print any scientific terms used that are not on the list

DNA	genetic material	double helix	nucleus	chromatin
chromosome	histone proteins	epithelia cheek cells		lysis buffer
protease	incubate/hot water bath	alcohol	insoluble	precipitate
oxygen bubbles	nucleic acids	enzyme	hydrogen bonds	
nitrogen bases	deoxyribose sugar	phosphate group	proteins	amino acids
excited	best teacher ever	DNA Necklace	characteristics/traits	
genes	lipid molecules	salt (NaCl)	phosphate group	
monomers	polymers	nucleotides		