Date:	Name:	Name:	

## Molecular biology

Review the central dogma by watching the following YouTube videos:

https://youtu.be/-K8Y0ATkkAl

https://youtu.be/6YqPLgNjR4Q

Based on the videos and/or your own investigations (using wikipedia, google, etc.) answer the following questions. After completing this worksheet, proceed to Part I of "Resitance is Futile... or is it?" and answer the questions.

## Questions

- 1. What are cellular membranes composed of? What is their function?
- 2. What are the main differences between procaryotes and eucaryotes?
- 3. Briefly explain what a gene is.
- 4. Explain the concept of "gene expression" using a diagram and a brief explanation
- 5. Briefly explain the structure and composition of the DNA molecule. What are the complimentary bases?
- 6. Why is the genetic code considered to be redundant?
- 7. What is the advantage of a redundant code?

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