Chapter 12 Nucleic Acids and Protein Synthesis

12.1 The Genetic Material

- Early researchers knew that the genetic material must be:
- a. able to store information used to control both the development and the metabolic activities of cells;
 - b. stable so it can be replicated accurately during cell division and be transmitted for generations; and,
 - able to undergo mutations providing the perime,

6. Justify why DNA replication important?

Part 2: RNA vs. DNA
Directions: Answer the questions below.

- 1. What is RNA?
- 2. What do the letters RNA stand for?
- 3. Compare and contrast RNA and DNA in three differen
- 4. What processes use DNA?
- 5. What processes use RNA?
- 6. What are the 3 kinds of RNA?
- 7. Fill in the chart below:

Part 3: Transcription

- 1. What is transcription?
- 2. Where does transcription occur?
- 3. What bases are involved in transcription?

ways: