

Name _____

AP BIOLOGY EXAM TEN

FREE RESPONSE QUESTION

- A molecule of messenger RNA (mRNA) has just been synthesized in the nucleus of a human cell.
- (a) What types of modifications may occur to this RNA before it leaves the nucleus?
 - (b) Once in the cytoplasm, how is the mRNA translated to a protein?
 - (c) If the cell is a secretory cell, how is the protein from part (b) eventually targeted, packaged, and secreted to the exterior of the cell?