**VIDEO GUIDE BOZEMAN: TRANSCRIPTION & TRANSLATION** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ # \_\_\_\_

1. What is the central dogma?
2. What is transcription? Where does it occur?
3. What is translation? Where does it occur?
4. What enzyme initiates transcription?
5. After transcription, a \_\_\_\_\_\_\_\_\_\_\_\_ and a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ are added to the ends of the mRNA.
6. The three steps in transcription (and translation) are:
   1. I\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. E\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. T\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. What are introns?
8. What happens in mRNA splicing?
9. How many bases of DNA are required to code for each amino acid?
10. What is the function of tRNA?
11. If the ribosome is attached to the rough ER, where does the protein go?