Lesson 1: An Introduction to Genomics:
Understanding the Analogies and Terms

Fill in the missing analogy or scientific term to complete the sentence.

1. Books can’t be removed from __________, so a copy of the page must be made.
   __________ can’t leave the nucleus, so ____________ is produced.

2. _______________ are taken to the factory to produce a ____________.
   m(RNA) takes copies to the ________________ to produce proteins.

3. Factories produce a portion of the total ___________ from the copy of pages.
   _______________ is the process in which __________ directs the production of proteins from amino acids.

4. Production of goods is how information flows from books to the ____________ to the ____________.
   ________________ and ________________ is how information flows from __________ to m(RNA) to the protein level.

5. There may be more than one ___________ in the ___________. Many factories produce a portion of the total product for the _____________.
   There may be more than one translation site in the cell. Different ____________ produce different ____________ for the cell.