**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hr. \_\_\_\_\_**

**Chapter 13 From DNA to Protein**

1. **Genes and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* **\_\_\_\_\_\_\_\_\_\_\_\_ determine the \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of organisms**
* **\_\_\_\_\_\_\_\_\_\_ are composed of \_\_\_\_\_\_\_\_**
  + **\_\_\_\_\_\_\_\_\_ code is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for building \_\_\_\_\_\_\_\_\_\_\_\_\_.**

1. **DNA Code**

* **\_\_\_\_\_\_\_\_\_\_\_\_ are made of \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_**
  + **There are \_\_\_\_\_\_ different \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_**
  + **Each set of \_\_\_\_ bases = \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_**
  + **There are \_\_\_\_\_ possible \_\_\_\_\_\_\_\_\_ with the \_\_\_ base sequence.**
  + **\_\_\_\_\_ codons, code for \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_, while the other \_\_\_ are “\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_” (Fig. 13-6 p. 367)**

1. **Transcription----From \_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_**

* **\_\_\_\_\_\_\_\_\_\_\_\_ are formed on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **Production is directed by \_\_\_\_\_\_\_\_\_\_\_\_ ( Ribonucleic Acid)**
* **\_\_\_\_\_\_\_\_\_\_ types:**
  + **\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
  + **\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
  + **\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ --- makes \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **RNA**

* **\_\_\_\_\_\_\_\_\_\_ differs from \_\_\_\_\_\_\_\_\_ in \_\_\_\_\_\_\_\_\_\_ ways:**

1. **\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **\_\_\_\_\_\_\_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_**
3. **\_\_\_\_\_\_\_\_\_\_\_\_ instead of \_\_\_\_\_\_\_\_\_\_\_\_\_**

**( A-U, G-C)**

1. **Translation-------From \_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* **\_\_\_\_\_\_\_\_\_\_\_\_ is formed as \_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_, carries \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to ribosomes**
* **\_\_\_\_\_\_\_\_\_\_ brings in \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ to assemble into \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are made up of \_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_.**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ determines the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of that \_\_\_\_\_\_\_\_\_\_\_\_\_.**