**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 \_\_\_\_\_\_\_\_\_\_\_\_\_.**