

Protein Synthesis Worksheet

1. In DNA, adenine binds with _____ and guanine binds with _____.
2. In RNA, adenine binds with _____ and guanine binds with _____.
3. Transcription takes place in the _____; translation takes place in the _____.
4. The building blocks of nucleic acids are _____.
5. When the DNA "cookbook" unzips, a complete protein "recipe" called a _____ is exposed.
6. At that time, a complementary copy of that "recipe" is made. Scientifically stated, _____-RNA is formed from RNA _____, in a process called _____.
7. When this "string" of RNA leaves the nucleus through a nuclear pore, it goes into the cytoplasm and binds to another element _____ DNA (the "site of protein synthesis").