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 monomers (building blocks) of nucleic acids are _____.
5. The enzyme responsible for "unzipping" the DNA molecule in preparation for copying is called _____.
6. _____-RNA is formed from one side of the DNA 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 player, _____-RNA (the"site of protein synthesis").
8. The ___-RNA code is "read" and a protein is assembled in a process called _____.
9. The monomers (building blocks) of proteins are _____, so another form of RNA is necessary to deliver those building blocks to the site of protein synthesis. This is _____RNA.
10. The 3 nitrogen bases of DNA are called _____; the 3 nitrogen bases of _____are called anticodons; the 3 nitrogen bases of _____are called codons.
11. All of the above steps take place during what PH**