

SELF-TEST

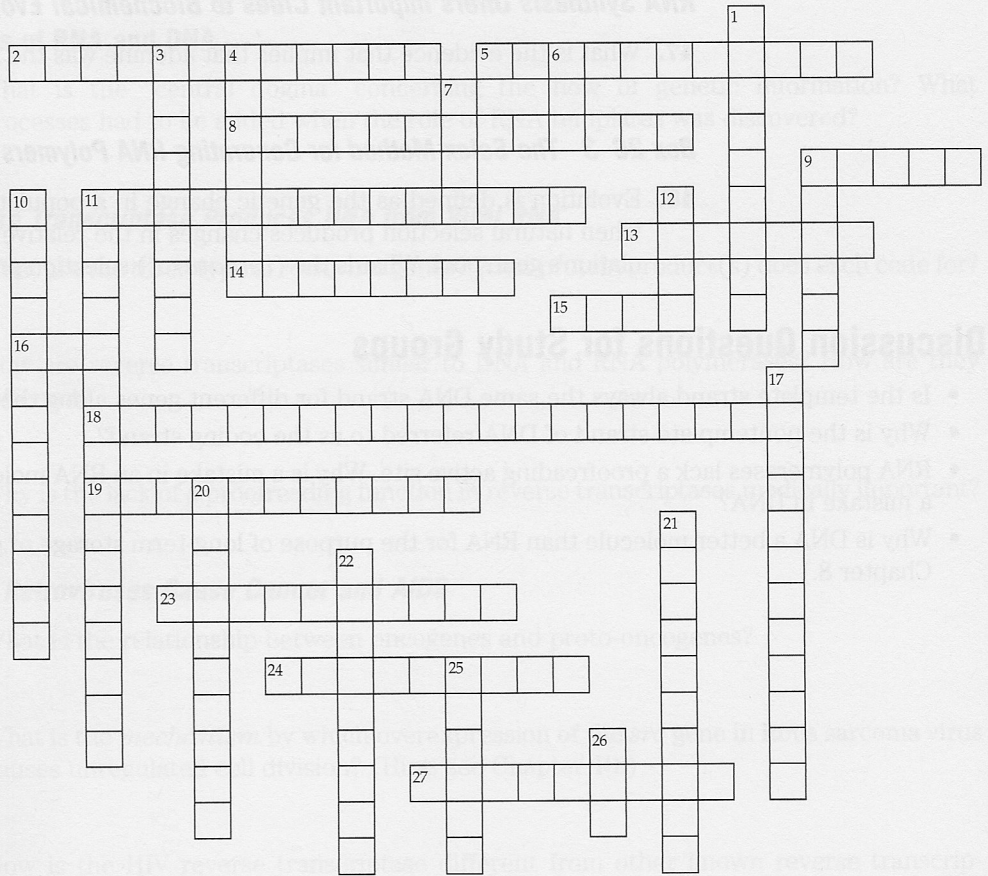
Do You Know the Terms?

ACROSS

2. Technique that can pinpoint promoter locations.
5. Complex ____ produce two or more *different* mRNAs and polypeptides.
8. Proteins necessary for the activity of RNA Pol II are ____ factors.
9. "Accelerated evolution in a test tube."
11. DNA-directed enzymes that require a DNA template and ATP, GTP, UTP, and CTP. (2 words)
13. The newly synthesized RNA molecule is the ____ transcript.
14. As in film editing, cutting and ____ an RNA by one frame too few or too many can be devastating to the final product.
15. Molecule that carries the genetic message from the chromosome to the ribosomes. (abbr.)
16. Protein factor that signals termination. (word)
18. RNA-dependent DNA polymerase. (2 words)
19. DNA strand identical in sequence to the RNA transcript, except with T's instead of U's.
23. Term describing the form of RNA polymerase that contains the σ subunit.
24. Areas of DNA containing consensus sequences.
27. A poison; why you shouldn't eat strange mushrooms.

DOWN

1. Type of enzymes; RNase P, for example.
3. ____ (AAAAAAAAAAAAAAAAAAAAA)₄ OH(3'), at least. (2 words)
4. These are lacking in histone genes but present in almost all other vertebrate genes.
6. Structural analog of deoxythymidine. (abbr.)
7. Adapter molecule between mRNA and amino acid. (abbr.)
9. Not Saturday morning cartoon characters, but complexes containing RNA and protein and important in group III splicing reactions. (abbr.)



10. Actinomycin D and acridine, for example.
11. "Defective viruses, trapped in one cell."
12. Nucleic acid serving as a component of ribosomes. (abbr.)
17. Molecular proof that genetic information can flow "backward."
20. Enzyme that prevents the slow nibbling away of the ends of chromosomes.
21. Positive ____ form ahead of the transcription bubble.
22. Good genes gone bad; for example, the *src* gene.
25. Consensus sequence of the -10 region in *E. coli*.
26. Virus containing a tragically inaccurate reverse transcriptase. (abbr.)