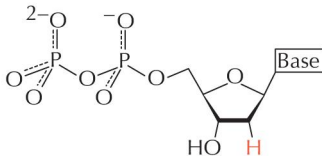


Ribonucleotide

↓ Ribonucleotide
reductase



Deoxyribonucleotide

FIGURE 4.15. Ribonucleotide reductase. In modern organisms, deoxyribonucleotides are synthesized from ribonucleotides using the enzyme ribonucleotide reductase. This is consistent with deoxyribonucleotide synthesis being a more recent invention than ribonucleotide synthesis.