

Transfer RNAs base-pair with mRNA codons at a three-base sequence on the tRNA called the anticodon. The first base of the codon in mRNA pairs with the third base of the anticodon. The anticodons in some tRNAs include the nucleotide inosinate (designated I), which contains the uncommon base hypoxanthine. Inosinate can form hydrogen bonds with three different nucleotides (U, C, and A). Thus, the correct answer is 3

