

TABLE 24-3 Types and Properties of Histones

| <i>Histone</i> | <i>Molecular weight</i> | <i>Number of amino acid residues</i> | <i>Content of basic amino acids (% of total)</i> | |
|----------------|-------------------------|--------------------------------------|--|------------|
| | | | <i>Lys</i> | <i>Arg</i> |
| H1* | 21,130 | 223 | 29.5 | 11.3 |
| H2A* | 13,960 | 129 | 10.9 | 19.3 |
| H2B* | 13,774 | 125 | 16.0 | 16.4 |
| H3 | 15,273 | 135 | 19.6 | 13.3 |
| H4 | 11,236 | 102 | 10.8 | 13.7 |

*The sizes of these histones vary somewhat from species to species. The numbers given here are for bovine histones.