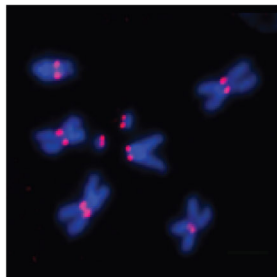


a



CENP-A DNA

b

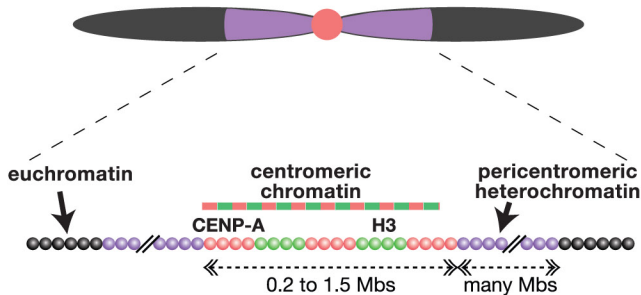


Figure 6. The Organization of Centromeric Chromatin

(a) CENP-A is a highly conserved, centromere-specific histone variant. Image shows localization exclusively to centromeres in *Drosophila* mitotic chromosomes. (b) CEN chromatin in flies and humans contains interspersed blocks of H3-containing and CENP-A-containing nucleosomes, and is flanked by pericentromeric heterochromatin (Blower et al. 2002).