



Figure 9. Models for RI replacement or exchange. A large molecular machine (either the SWR1 complex or RNA polymerase) partially or completely unravels a nucleosome during transit. The result is either retention of heterodimeric subunits, such as the FACT-facilitated transfer of H2A-H2B from in front of RNA polymerase to behind (Formosa et al. 2002; Belotserkovskaya et al. 2003) or loss of a heterodimer. In the latter case, chromatin repair replaces the lost heterodimer with either H3.3-H4 (*left*) or H2A.Z-H2B (*right*).