



**Figure 3. Old Nucleosomes (*dark disks*) Are Randomly Distributed behind the Replication Fork and New Nucleosomes (*light disks*) Are Deposited in the Gaps**

CAF-1-mediated nucleosome assembly is depicted on the leading and lagging strand in magnification. DNA polymerase (*green*); replication processivity clamp, PCNA (*blue ring*); histone H3•H4 tetramers (*pink*); newly synthesized DNA (*red*).