



**Figure 18.** Distinction between euchromatic and heterochromatic domains. Summary of pathways leading to the formation of euchromatin or constitutive heterochromatin. Chromatin regions differ in the type of RNA transcripts produced from the underlying DNA sequence that can signal distinct recruitment of chromatin-associated proteins and complexes, covalent histone modifications, histone variant composition, and DNA methylation. See the text for detailed explanation.