

## transcription unit (gene)

## DNA repeats (noncoding)

messenger RNA

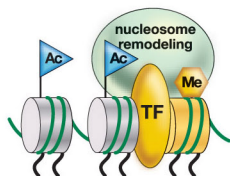
gene

transcription factor  
binding

remodeling complex  
recruitment

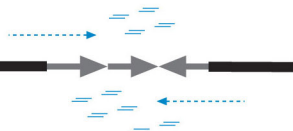
activating histone  
modifications

histone variants



accessible  
information

## euchromatin

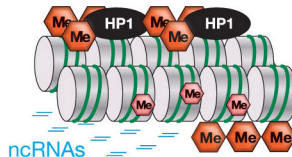


noncoding  
dsRNAs

RITS complex  
recruitment

repressive histone  
methylation

DNA methylation



restricted  
information

## heterochromatin

**Figure 9. Distinction between Euchromatic and Heterochromatic Domains**

Summary of common differences between euchromatin and constitutive heterochromatin. This includes differences in the type of transcripts produced, recruitment of DNA-binding proteins (i.e., transcription factor [TF]), chromatin-associated proteins and complexes, covalent histone modifications, and histone variant composition.