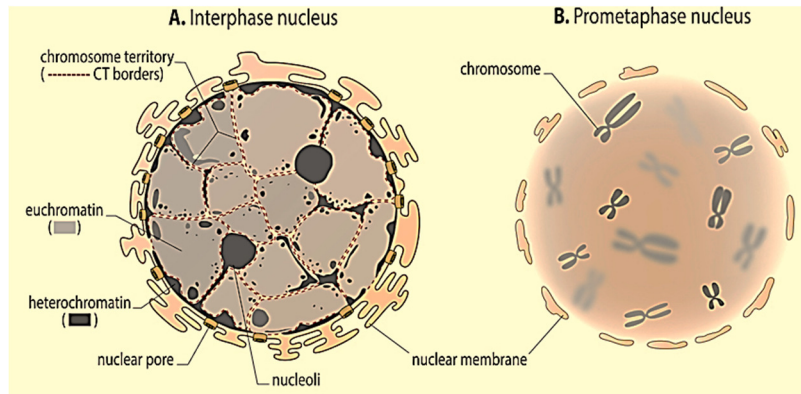
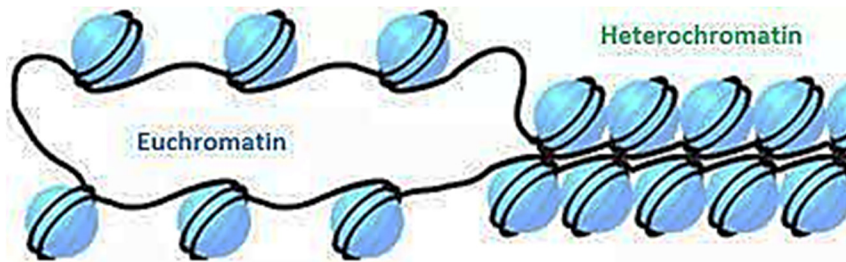


Online quiz for Heterochromatin



1 - What is heterochromatin?

- ✓ ⊕ open and least dense part of chromosome that is repressed.
- ⊕ it is another name of centromere in a chromosome.
- ⊕ All of the above



2 - What is another name by which heterochromatin is known?

- ⊕ Beads-on-string.
- ✓ ⊕ 30 nm fiber
- ⊕ Active chromosome
- ⊕ Metaphase chromosome

3 - What does the presence of heterochromatin reveal?

- ⊕ That cells are transcriptionally active.
- ⊕ That cells are dividing
- ✓ ⊕ That gene transcription is not taking place.
- ⊕ That DNA is exposed to polymerases and other regulatory protein.

4 - The difference between euchromatin and heterochromatin is BEST described by the following statements?

- √ ⊕ Euchromatin has a variable structure whereas heterochromatin is uniform.
- ⊕ Euchromatin provides a short-lived copy of the more stable heterochromatin.
- √ ⊕ Euchromatin is transcriptionally active whereas heterochromatin is not.
- ⊕ Euchromatin is found within nucleus whereas heterochromatin is in cytosol.

5 - What are the two main differences between constitutive and facultative heterochromatin?

- ⊕ Former is reversible with LINE sequence; later is stable with satellite DNA.
- ⊕ Former is stable with LINE sequence; later is reversible with satellite DNA.
- ⊕ Former is reversible with satellite DNA; later is stable with LINE sequence.
- √ ⊕ Former is stable with satellite DNA; later is reversible with LINE sequence.