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1. Who coined the term 'chromatin' to describe the thread like material of the nucleus?

- a) **W. Flemming**
- b) W.Roux
- c) E. Strasburger
- d) Boveri

2. The haploid set of the chromosomes is called as

- a) proteome
- b) genomics
- c) **genome**
- d) genes

3. The term 'chromosome (chrom=color, soma=body)' was coined by

- a) W. Flemming
- b) W.Roux
- c) **Waldeyer**
- d) Sutton

4. The lowest level of chromosome organization is

- a) solenoid
- b) **nucleosome**
- c) 30nm fibre
- d) none of these

5. Which of the following statement is incorrect

- a) Chromosome number is constant within individuals in a species in an ecosystem
- b) **Chromosome number is constant within different species in an ecosystem**
- c) Chromosome number is constant within different somatic cells of an organism
- d) All of these

6. Which of the following has the largest number of chromosome?

- a) *Haplopappus gracilis*
- b) ***Ophioglossum reticulatum***
- c) *Pisum sativum*
- d) Giant redwood tree

7. The number of autosome in humans

- a) **44**
- b) 21 pairs
- c) 46
- d) 45

8. Which of the following statement is incorrect

- a) **In human males, there are 44 autosomes and a pair of homomorphic sex chromosomes**
- b) In human females, there are 44 autosomes and a pair of homomorphic sex chromosomes

- c) In human males, there are 44 autosomes and a pair of heteromorphic sex chromosomes
- d) In humans, there are 44 autosomes and a pair of sex chromosomes

9. The size of chromosome is measured during

- a) prophase
- b) metaphase**
- c) anaphase
- d) all of these

10. A chromosome with a very short arm and a very long arm is termed as

- a) Telocentric
- b) Acrocentric**
- c) Metacentric
- d) Sub-metacentric