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BIO201  
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1. Which theory was proposed by August Weismann to replace the theory of pangenesis?

--->> The theory of independent assortment

The germplasm theory

The theory of gene replacement

The theory of heredity

2. According to Charles Darwin, exact miniature replicas of the body parts and organs are carried in the blood stream, and to be assembled in the gametes. This is called

pangene

gametes

Epigene

--->> Gemmules

3. The sea urchin embryo can be divided into----- quadrants

sixteen

eight

--->> four

two

4. At telophase, the chromosomes \_\_\_\_\_

are aligned at the equatorial plate

migrate to the poles

thickened and are visible

--->> form two daughter cells that latter separate

5. What is the chromosome number of *Parascaris equarum*?

$n=2$

--->>  $2n=2$

$2n=4$

$2n=14$

6. The general terms used to describe the number of whole sets of chromosomes is

Genome

Genotype

Phenotype

--->> Ploidy

7. The components of the nucleus that are visibly distributed during cell division are the

chromatids

nucleic acid

--->> chromosomes

mitochondrion

8. A tetraploid cell will have how many sets of chromosomes?

2

--->> 4

6

8

9. Who coined the term genetics?

Mendel

--->> Bateson

Franklin

Aristotle

10. A theory that postulate that adult structures in plants and animals arise from embryonic tissues, which do not resemble the corresponding adult structures is known as

genetics

hypogenetics

--->> epigenetics

embryogenetics