

# **BRAIN INTERNATIONAL SCHOOL**

**BIOLOGY Assignment**

**Class X**

**Oct 18**

## **CH: HEREDITY AND EVOLUTION**

1. Define Gene/ factors and allele .
2. Why Mendel has chosen Garden pea plant for his experiment ? Give scientific name of pea plant .
3. Describe Mendel's law of dominance considering monohybrid cross.
4. Describe Mendel's law of segregation considering Di hybrid cross.
5. How do traits are expressed ?
6. Women in our society are blamed for giving birth to girl child ,As a science student explain the process of sex determination in Human beings .
7. Define evolution and speciation ..
8. How do acquired traits are different from inherited traits ,explain giving examples
9. Explain Stanley .Miller and c. Urey experiment expressing origin of life .
10. How living beings are classified on the basis of structural characteristics ?
11. Differentiate between Homologous and Analogous organisms.
12. What are fossils ? How do they help in establishing evolutionary studies ?
13. How do fossils form and we calculate the age of fossils ?
14. Explain Artificial natural selection considering development of varieties from Wild cabbage.
15. On what basis we can say Birds are closely related to reptiles ?
16. What do you mean by Molecular phylogeny ?
17. Which tools have been used for studying Human evolution ?
18. Evolution should not be considered as progress . Comment .
19. Write scientific name of Humans
20. All human beings are a single species ,yet they appear different Why?