

BIO101

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1. Using the concept of test cross for one character, identify the genotype of a phenotypically observed purple flower (P) with F1 ratio of 1:1 purple and white

DD

dd

--->> Dd

all the options

2. The genotypic ratio of a monohybrid cross is

--->> 0.04306712962962963

0.04446759259259259

0.4180671296296296

All the options

3. key event that happened in 1866-88 is

Cell description

mitochondrion description

--->> chromosomes description

chloroplast description

4. In a typical flowering plant the root is made up of surface layer of

--->> epidermis

cuticle

parenchyma cells

vascular tissues

5. All living things take in food for

fun

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--->> energy

excretion

6. A reaction involving substances broken down from simpler substances is called

anabolism

--->> catabolism

ingestion

digestion

7. In a laboratory osmosis can be demonstrated by using one of the following

coconut

casava

--->> yam

banana

8. A scientist that described the nucleus as a characteristic spherical body in plant cells is

Mathias Schleiden

Robert hooke

Robert charles

--->> Robert Brown

9. Complex or multifactorial disorders are caused by the interactions between multiple genes and environmental factors. Such a disorder includes

albinism

--->> diabetes

malaria

cholera

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cell wall

large vacuole

chloroplast

--->> cytoplasm

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