



Class 11 Biology | The Living World

MCQ WORKSHEET • 15 questions • Choose one correct option • Suggested time: 25 minutes

1. Two organisms share a genus but have different specific epithets. They must share their

- A. Variety B. Population C. Family D. Species

2. Which sequence moves from a broader to a narrower taxon?

- A. Order → family → genus
B. Genus → family → order
C. Species → genus → family
D. Family → order → class

3. In *Panthera leo*, *Panthera* denotes the

- A. Specific epithet B. Family C. Order D. Genus

4. Which printed scientific name follows naming conventions?

- A. HOMO sapiens (not italicised)
B. Homo Sapiens (both italicised)
C. homo Sapiens (both italicised)
D. Homo sapiens (both italicised)

5. Which is the basic unit of classification?

- A. Genus B. Species C. Class D. Family

6. A scientist places related genera together. The category formed is a

- A. Family B. Species C. Population D. Kingdom

7. Compared with a genus, a kingdom generally contains organisms with

- A. Only one species
B. Identical genomes
C. Fewer shared characters
D. More shared characters

8. Which pair is expected to show the greatest taxonomic similarity?

- A. Two orders in one class
B. Two genera in one family
C. Two families in one order
D. Two species in one genus

9. Correct identification must precede which practical step?

- A. Measuring air pressure
B. Assigning the accepted scientific name
C. Changing the genetic code
D. Inducing reproduction

10. The term taxon refers to

- A. A named group at any rank
B. Only a species
C. A pair of contrasting traits
D. Only a kingdom

11. Which process occurs in living cells but may also be demonstrated in cell-free extracts?

- A. Metabolism B. Species formation
C. Ecological succession D. Population growth

12. Why is reproduction not a universal defining feature of living individuals?

- A. Only plants reproduce
B. All non-living objects reproduce
C. Some living individuals are sterile
D. Reproduction never involves cells

13. Growth of a salt crystal differs from biological growth because it occurs mainly by

- A. Protein synthesis
B. Cell division
C. DNA replication
D. External accumulation

14. A plant bending towards light demonstrates

- A. Response to a stimulus
B. Species isolation
C. Binomial nomenclature
D. External accretion

15. Systematics includes classification and also considers

- A. Only body size
B. Evolutionary relationships
C. Only geographical names
D. Only specimen colour

ANSWER KEY — check after completing all 15 questions

1.C 2.A 3.D 4.D 5.B 6.A 7.C 8.D 9.B 10.A 11.A 12.C 13.D 14.A 15.B

Original exam-style practice • Reference notes: www.physics.guru/cbse-practice-papers/ • Not an official paper