General Science — Free Study Notes

PracticeMockTest | practicemocks.in

Physics, chemistry and biology basics, the human body, everyday science, units and inventions — asked in SSC, RRB, NDA, CDS and most one-day exams.

Key topics

Physics Basics
Motion, force, work-energy, units (SI), light, sound, electricity; remember F = ma, P = W/t.

Chemistry Basics
Atoms, molecules, acids-bases-salts, common compounds and their formulas, metals and non-metals.

Biology Basics
Cell, tissues, photosynthesis, respiration, plant and animal classification.

Human Body
Systems (digestive, respiratory, circulatory, nervous), glands, vitamins, deficiency diseases.

Everyday Science
Why soap cleans, how pressure cookers work, dew, mirrors, magnets — one-line 'why' answers.

Inventions & Units
Scientists and their discoveries, SI units, prefixes and instrument names (barometer, hygrometer).

Study tips

• Split time as: one week physics, one week chemistry, one week biology.
• Make one-line 'why it happens' notes for everyday phenomena.
• Revise deficiency diseases and units weekly.

Practice questions with solutions

1. The SI unit of force is:
A) Joule B) Newton C) Pascal D) Watt
Answer: B — Force is measured in newtons (N); joule is energy, pascal is pressure, watt is power.

2. Which gas is mainly responsible for the greenhouse effect on Earth?
A) Oxygen B) Nitrogen C) Carbon dioxide D) Hydrogen
Answer: C — Carbon dioxide traps outgoing infrared radiation and drives the greenhouse effect.

3. Deficiency of iodine causes:
A) Rickets B) Goitre C) Anaemia D) Scurvy
Answer: B — Iodine is needed by the thyroid; its deficiency causes goitre.

4. The powerhouse of the cell is the:
A) Nucleus B) Ribosome C) Mitochondria D) Golgi body
Answer: C — Mitochondria release energy from glucose as ATP.

5. Common salt is chemically:
A) Sodium chloride B) Calcium carbonate C) Sodium carbonate D) Potassium chloride
Answer: A — Common salt is NaCl — sodium chloride.

6. A barometer measures:
A) Humidity B) Atmospheric pressure C) Wind speed D) Temperature
Answer: B — A barometer measures atmospheric pressure; a hygrometer measures humidity.

Full-length mock tests, previous-year patterns and more practice: practicemocks.com
These notes are written by PracticeMockTest and are not official exam content.