

CBSE Classes IX–X — Science Practicals — Answer Key

ANSWER KEY

CBSE Classes IX–X Science (practical-based questions) · practice set by Atulya Defence Academy

Answer key

1	2	3	4	5	6	7	8	9	10
B	B	A	B	A	B	B	B	B	C
11	12	13	14	15	16	17	18	19	20
A	A	B	B	A	B	A	A	B	B

Solutions & explanations

Q5 – (A) $\text{Fe} + \text{CuSO}_4 \rightarrow \text{FeSO}_4$ (pale green) + Cu.

Q21. Any two: connections tight and clean; current passed only for a short time (avoid heating); ammeter in series and voltmeter in parallel with correct polarity; read meters without parallax.

Q22. Alcohol is volatile and highly flammable; heating it directly over a flame can cause fire. A water bath heats it safely.

Q23. $\text{Zn} + \text{H}_2\text{SO}_4 \rightarrow \text{ZnSO}_4 + \text{H}_2\uparrow$. Gas: hydrogen (burns with a pop).

Q24. $1/v - 1/u = 1/f$ with $u = -30$, $f = 15$: $1/v = 1/15 - 1/30 = 1/30 \Rightarrow v = +30$ cm. Real, inverted, same size (object at 2F).

Q25. Any two: cell wall, nucleus, cytoplasm, large vacuole; cells are rectangular and closely packed.