Flowchart for testing series
(does not cover all possibilities)

Are there any exponential – like 2^n or $(1/3)^n$ – or superexponential $(n!)$ terms? $(-1)^n$ does not count.

yes → Ratio Test

no ↓

Is it a combination of powers of n? —— yes → Are the terms positive?

yes ↓ Limit Comparison to some p-series.

no ↓ Alternating Series Test

no ↓

If it's positive, has ln(n) and 1/n, consider the Integral Test.

Did not work? Try the Test for Divergence.