

Rivers, Their Lengths, Origins and Tributaries

1. Ganga river (2,525 km) dumping its water into Bay of Bengal emerges from – **Gangotri glacier, Uttarakhand**
2. Yamuna river (1,376 km) emerging from Yamunotri glacier merges with Ganga at – **Allahabad (Triveni Sangam-Kumbh Mela spot)**
3. Length of Brahmaputra river - **3848km**
4. Brahmaputra river emerging from Himalayan glacier enters India – **Arunachal Pradesh**
5. Brahmaputra river merges with – **River Ganga**
6. Chambal originate from – **Madhya Pradesh**
7. Chambal – **960 km long**
8. Chambal is tributary of – **Yamuna**
9. Son – **784 km**
10. Son is a part of -**Vindhya range system**
11. Son originate from – **Amarkantak**
12. Son joins Ganga just above the city - **Patna**
13. Gandak – **630 km**
14. Gandak originates from – **Nepal**
15. Gandak joins Ganga near – **Patna**
16. Kosi – **720 km**
17. Kosi starts from – **Bihar**
18. Kosi joins Ganga near – **Katihar**
19. Betwa – **590 km**
20. Betwa is a tributary of - **Yamuna**
21. Betwa rises at – **Vindhya region, M.P.**
22. Betwa joins Yamuna at – **Hamirpur, UP**
23. Gomti - **900km**
24. Gomti joins Ganga at – **Varanasi**
25. Gomti starts at – **Gomat Taal, UP**
26. Ghaghara – **1080 km**
27. Ghaghara starts from Himalayan glacier in – **Tibet**
28. Ghaghara is a tributary of – **Ganga**
29. Ghaghara joins Ganga in – **Bihar**
30. Hugli – **260 km**
31. Hugli merges with Ganga at – **Bay of Bengal**
32. Damodar – **592 km**
33. Damodar is a tributary of – **Hugli**
34. Damodar originates near – **Chandwara, Jharkhand**
35. Mahananda – **360 km**
36. Mahananda originates from – **Paglajhora falls, Darjeeling**
37. Alaknanda – **190 km**



38. Alaknanda originates from – **Satopanth and Bhagirathi-kharak glacoer**
39. Alaknanda merge in Ganga at – **Devprayag, Uttarakhand**
40. Bhagirathi – **205 km**
41. Bhagirathi originates from – **Gaumukh, Uttarakhand**
42. Indus – **3180 km**
43. Indus originates from – **Tibetan plateau**
44. Indus river merges into - **Arabian sea**
45. Chenab – **960 km**
46. Chenab originates from Himachal Pradesh in – **Spiti district**
47. Jhelum – **725 km**
48. Jhelum is a tributary of – **Chenab river**
49. Jhelum merges with Chenab at – **Jhang, Pakistan**
50. Ravi – **720 km**
51. Ravi starts from – **Kangra, Himachal Pradesh**
52. Ravi joins Chenab in – **Pakistan**
53. Sutlej river – **1500 km**
54. Sutlej is a tributary of – **Indus river**
55. Sutlej originates at – **Rakshastal, Tibet**
56. Sutlej ends in – **Arabian sea**
57. Beas – **470 km**
58. Beas joins Sutlej river in – **Punjab**
59. Parbati originates from – **Mantalai glacier**
60. Parbati mixes with Beas at – **Bhuntar, Himachal Pradesh**
61. Suru – **185 km**
62. Suru river originates from – **Panzella glacier**
63. Dras – **86 km**
64. Dras originates from - **Machoi glacier**
65. Tsarap – **182 km**
66. Tsarap originates from – **Pankpo La**
67. Tsarap ends in – **Zanskar river**
68. Doda - **79 km**
69. Doda originates from - **Drang-drung glacier**
70. Doda ends in – **Zanskar river**
71. Kaveri – **765 km**
72. Kaveri originates from – **Talakaveri, Karnataka**
73. Kaveri ends in – **Bay of Bengal**
74. Krishna – **1400 km**
75. Krishna originates from Western Ghats in – **Maharashtra**
76. Krishna ends in – **Bay of Bengal**
77. Godavari – **1465 km**
78. Godavari originates from – **Maharashtra**
79. Godavari empties in – **Bay of Bengal**
80. Godavari passes through – **7 states**
81. Tungabhadra – **531 km**
82. Tungabhadra is a tributary of – **Krishna river**

83. Tungabhadra starts at – **Karnataka**
84. Tapti – **724 km**
85. Tapti rises in – **Satpura ranges**
86. Tapti empties in Bay of Bengal into – **Gulf of Khambat**
87. Mahi – **580 km**
88. Mahi rises in – **Madhya Pradesh**
89. Mahi flows into Arabian sea from – **Gujarat**
90. Narmada – **1315 km**
91. Narmada originates from – **Amarkantak, MP**
92. Narmada drains into Arabian sea via – **Gulf of Cambay**
93. Indravati – **535 km**
94. Indravati originates from Dandakaranya range in – **Odisha**
95. Indravati ends in – **Godavari**
96. Pranhita – **113 km**
97. River formed by the confluence of Wardha and Wainganga – **Godavari**
98. Wardha – **528 km**
99. Wardha emerges from – **Satpura range**
100. Wardha ends in the river – **Pranhita**
101. Kolab – **200 km**
102. Kolab originates from Sinkaran hills- **Odisha**
103. Kolab ends in – **Godavari**
104. Manjira – **724 km**
105. Manjira originates from – **Balaghat hills**
106. Manjira ends near Kandakurthi, Karnataka in the river – **Godavari**
107. Wainganga – **579 km**
108. Wainganga originates in Madhya Pradesh from – **Satpura range**
109. Wainganga ends in – **Pranhita river**
110. Painganga – **676 km**
111. Painganga originates from Ajanta range, Aurangabad in – **Maharashtra**
112. The river formed by the confluence of Veda and Avathi – **Vedavathi**
113. Vedavathi ends in – **Tungabhadra**
114. Bhima river – **861 km**
115. Bhima river originates from – **Bhimashankar**
116. Indrayani originates from Lonavala in – **Maharashtra**
117. Indrayani ends in – **Bhima river**
118. Pavana river – **58 km**
119. Pavana emerges from Shayadri range, Lonavala in – **Maharashtra**
120. Pavana river ends in – **Mula river**
121. Ghataprabha – **283 km**
122. Ghataprabha originate from western ghats in – **Sindhudurg**
123. Ghataprabha ends in – **Krishna river, Almatti**
124. Venna river – **130 km**
125. Venna originates from Maharashtra in – **Mahabaleshwar**



126. Venna ends in Maharashtra in – **Krishna river**
127. Koyna – **130 km**
128. Koyna originates from Maharashtra in – **Mahabaleshwar**
129. Koyna ends in Satara in – **Krishna river**
130. Amravati – **282 km**
131. Amravati originates from – **Amravati hills**
132. Amravati ends in Tamil Nadu in – **Kaveri river**
133. Bhavani – **135 km**
134. Bhavani originates from Silent Valley National park in – **Karnataka**
135. Hemavati – **245km**
136. Hemavati originates from western ghats in – **Karnataka**
137. Hemavati ends in Krishna Raja Sagara dam in – **Karnataka**
138. Mahanadi – **858 km**
139. Mahanadi originates from Chattisgarh in – **Dhamtari, Dandakaranya**
140. Mahanadi ends near False point, Kendrapara in – **Odisha**
141. Subarnarekha – **395 km**
142. Subarnarekha originates from Jharkhand from the plateau – **Chota Nagpur plateau**
143. Subarnarekha ends in Bay of Bengal in – **Kirtania port**
144. Kangsabati – **465 km**
145. Kangsabati originates from Chota Nagpur plateau in – **West Bengal**
146. Kangsabati ends near Haldia in – **Bay of Bengal**
147. Penner river- **597 km**
148. Penner originates from Nandi Hills in – **Karnataka**
149. Penner ends in Bay of Bengal via – **Andhra Pradesh**
150. Palar river – **348 km**
151. Palar originates from Nandi hills in – **Karnataka**
152. Palar ends near Vayalur, Tamil Nadu in – **Bay of Bengal**
153. Vaigai river – **258 km**
154. Vaigai originates from Varusanadu hills in the state of – **Tamil Nadu**
155. Vaigai ends at Palk Strait in the state – **Tamil Nadu**
156. Vellar river – **150 km**
157. Vellar originates from – **Shevaroy hills**
158. Vellar ends near Parangipettai, Tamil Nadu in - **Bay of Bengal**
159. Ponnaiyar river – **400 km**
160. Ponnaiyar originates from – **Nandidurg**
161. Ponnaiyar ends in – **Bay of Bengal**
162. Noyyal river – **180 km**
163. Noyyal originates from western ghats in – **Velliangiri hills**
164. Noyyal ends in – **Kaveri river**
165. Gomai originates from – **Satpura range**
166. Gomai ends in – **Tapti river**
167. Panzara originates from the state – **Maharashtra**
168. Panzara ends in – **Tapti river**
169. Purna originates from Satpura range in – **Madhya Pradesh**
170. Purna ends in – **Tapti river**

171. Kolar originates from Vindhya range in the state – **Madhya Pradesh**
172. Kolar ends in the river- **Narmada**
173. Tawa originates from Satpura range in the state – **Madhya Pradesh**
174. Tawa ends in the river – **Narmada**
175. Sabarmati river originates from the Aravalli range of the state- **Rajasthan**
176. Sabarmati ends in – **Gulf of Khambat**
177. Zuari river originates from- **Western ghats**
178. Zuari ends in – **Arabian sea**
179. Ulhas river originates from the range – **Shayadri**
180. Ulhas river ends in Vasai creek in – **Mumbai**
181. Mithi river ends in – **Arabian sea**
182. Mandovi originates from the state – **Karnataka**
183. Mandovi ends in – **Arabian sea**
184. Kali river originates from- **Karnataka**
185. Netravati originates from Kudremukh in the state – **Karnataka**
186. Sharavati originates from Western ghats in the state - **Karnataka**
187. Periyar originates from Sivagiri hills in the state – **Tamil nadu**
188. Periyar river ends in Lakshadweep sea via – **Kerala**
189. Bharathappu zha originates from - **Annamalai hills**
190. Pamba river originates from- **Western ghats**
191. Pamba river ends in the lake – **Vembanad**
192. Chaliyar river originates from the Elambaleri hills of the state – **Kerala**
193. Chaliyar river ends in – **Lakshadweep sea**

DISCOVERIES & INVENTIONS

1. Photon was discovered in the year – **1905**
2. Photon was discovered by- **Albert Einstein**
3. Electron was discovered in the year – **1897**
4. Electron was discovered by- **J.J.Thomson**
5. Proton was discovered in the year – **1919**
6. Proton was discovered by- **Ernest Rutherford**
7. Atom was discovered in the year – **1808**
8. Atom was discovered by- **John Dalton**
9. Neutron was discovered in the year – **1932**
10. Neutron was discovered by- **James Chadwick**
11. Laws of motion were discovered in the year – **1687**
12. Laws of motion were discovered by- **Issac Newton**
13. Coulomb was discovered in the year – **1779**
14. Coulomb was discovered by- **Charles Augustus-de Coulomb**
15. Ohm's law was discovered in the year – **1827**
16. Ohm's law was discovered by- **Georg Simon Ohm**
17. Electromagnetic induction was discovered in the year – **1831**
18. Electromagnetic induction was discovered by - **MichaelFaraday**

19. Thermionic emission was discovered in the year – **1880**
20. Thermionic emission was discovered by- **Thomas Edison**
21. Radioactivity was discovered in the year – **1896**
22. Radioactivity was discovered by- **Henry Becquerel**
23. Radium was discovered in the year – **1898**
24. Radium was discovered by- **Marie Sklodowska- Curie**
25. Quantum theory was discovered in the year – **1900**
26. Quantum theory was discovered by- **Max Planck**
27. Photoelectric effect was discovered in the year – **1905**
28. Photoelectric effect was discovered by- **Heinrich Rudolf Hertz and Albert Einstein**
29. X-ray was discovered in the year – **1895**
30. X-ray was discovered by- **Rontgen**
31. Relativity was discovered in the year – **1905**
32. Relativity was discovered by- **Albert Einstein**
33. Atomic structure was discovered in the year – **1913**
34. Atomic structure was discovered by- **Neil Bohr and Rutherford**
35. Nuclear reactor was discovered in the year – **1942**
36. Nuclear reactor was discovered by- **Anrico Fermi**



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