

# **Tesla - Master of Lightning**

Name: \_\_\_\_\_

1. Name 3 inventions or discoveries that Tesla is credited with.
2. Who were some of Tesla's famous contemporaries?
3. What were Tesla's two career choices growing up?
4. What disease almost took Tesla's life in childhood?
5. When did Thomas Edison produce the first light bulb?
6. When did Tesla journey to America?
7. When was the first operational electrical power plant built in the US?
8. What were some of the early problems with DC electricity use in cities?
9. How much money was Tesla promised if he improved Edison's motors?
10. What were Tesla's typical hours of work?
11. What happened when Edison went back on his promise to Tesla?
12. How many inventions did Tesla patent in the 5 years after opening his own lab?
13. What year did Tesla unveil his AC motor?
14. How much money & bonus did George Westinghouse offer Tesla for his patents?

15. What did Tesla say was “one of the proudest moments of his life”?
16. Why did Edison start “The War of the Currents”?
17. What were some of Edison’s tactics?
18. What job were Edison (General Electric) & Tesla (Westinghouse) in competition to get?
19. Who got the job?
20. What was Tesla’s “childhood dream”?
21. What size and how many generators did they build at Niagara Falls initially?
22. How many generators was the operation expanded to?
23. To save the company money Tesla tore up his royalties’ contract. What would it be worth today?
24. Why was Tesla so admired and revered?
25. Which famous writer was among Tesla’s friends?
26. Why did Tesla stay a bachelor?
27. What invention did Tesla design that created high voltages at high frequencies?
28. What became Tesla’s obsession?
29. Which of his contemporaries had a cool mustache?

30. What family tragedy befell Tesla about this time?
31. What work tragedy also happened to Tesla?
32. Who else was working on radio signal transmission?
33. Tesla's oscillation machine was a good example of what?
34. Tesla invented the first (RC) radio controlled device. What was it?
35. What did Tesla consider his "highest prize"?
36. Tesla created a machine to produce lightning. What was the result?
37. Tesla was the first to detect radio waves from space. Where did they come from?
38. Marconi continued work on what using Tesla's patents?
39. Who invested \$150,000 with Tesla to create long range wireless transmission?
40. Why did Tesla fail in his quest to wirelessly transmit large quantities of electric power?
41. Towards the end of his life Tesla had some setbacks. Name a few.
42. What mysterious machine was reported to have been invented by Tesla?
43. How did Tesla feel about "releasing the power of the atom"?
44. At what age did Tesla start to make a popular comeback?

45. Did he ever sell one of his Death Rays?
46. When and where did Tesla die?
47. What happened to all of his research after his death?
48. What eventually happened to Tesla's papers?
49. What military project did Tesla's project foreshadow?
50. Summarize your thoughts on Tesla and the impact of his life on the world. (especially your life)