

Directions: Use your inquisitive internet research skills, to find information/Web sites on the following topics as they relate to Electrathon vehicle racing.

WISCONSIN ELECTRATHON

1. List two references to the Wisconsin Electrathon organization.

Web Address	Title and Description (min. of three sentences)

2. Where are the Wisconsin Electrathon events going to be held?

3. Summarize one question and one of its responses on the Wisconsin Electrathon discussion board.

4. List the seven report forms on the Wisconsin Electrathon Web Site.

5. Which school won the Grand Championship in the following years:

2005-

2006-

2007-

6. How is the “Grand Championship” determined?

Iowa Electrathon

7. Describe what is required for Iowa and Wisconsin Electrathon monthly reports.

8. Iowa and Wisconsin both have an “endurance competition”; name two other competitions that are also held at a racing event.

9. List two Iowa Electrathon racing events.

Date	Name of Race	Track Location

10. Name two of the top schools in the Iowa Electrathon program.

11. Why do you think they are always in the top of the standings? (Do not use- “they have more money” as an answer.)

12. Other States with Electrathon Racing Programs:

Web Address	Title and Description (min. of three sentences)

13. International Electrathon Racing Programs:

Web Address	Title and Description (min. of three sentences)

14. Electrathon Racing Teams/Schools Web Sites:

Web Address	Title and Description (min. of three sentences)

15. Electrathon Vehicle Design and Construction:

Web Address	Title and Description (min. of three sentences)

16. Name a web site that shows a technical drawing of an Electrathon racer.

17. Name three materials the Electrathon bodies can be made of.

18. Which is the lightest?

19. Which is the most expensive?

20. Name two metals that Electrathon vehicle frames can be fabricated from?

21. Electric Vehicle Racing (other than Electrathon):

Web Address	Title and Description (min. of three sentences)

22. Battery Safety Sites:

Web Address	Title and Description (min. of three sentences)

23. Find a battery on the web that is 12 volts and weighs less than 67 lb.(for two). List the name here.

24. How many amp hours (# of amps used for one hour) can this battery store?

25. List two safety considerations for lead acid batteries.

26. DC Electric Motors Sites for Electrathon:

Web Address	Title and Description (min. of three sentences)

27. What motor did most teams use?

Briggs and Stratton Etek - there are two versions; the old version is a permanent magnet type. The new style is AC - many people say it is not efficient enough for Electrathon Competition.

28. How much can you purchase this motor for? What company?

29. The Etek is getting difficult to find; research possible alternatives to this motor? List the costs.

Etek Alternatives

Motor/Company	Cost

30. List the lowest and highest priced Electrathon motor than would be suitable for Electrathon competition.

	Motor Name	Price
lowest		
highest		

31. Electric Vehicle Safety Sites:

Web Address	Title and Description (min. of three sentences)

32. List three safety concerns for Electrathon Racing.

33. List three things Electrathon organizations have done to increase the safety of Electrathon events and/or vehicles.