

Team Name _____ Team Number _____

Record your answers here
Only this page will be graded

Answer Sheet (Questions 1-21: 1 point each; 21-34: 2 points each; 35: 3 points)

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|------------------|---|--|--|
| 1. <u> d </u> | 11. <u> b </u> | 21. <u> c </u> | 31. <u>2350 Watts</u> |
| 2. <u> b </u> | 12. <u> c </u> | 22. <u>3.45 volts</u> | 32. <u>37100 kwh or
1.34E11 Joules</u> |
| 3. <u> c </u> | 13. <u>National
Renewable Energy
Laboratory</u> | 23. <u>0.02552 amps or
25.53milliamps (mA)</u> | 33. <u>4 times greater</u> |
| 4. <u> d </u> | 14. <u>Transmission
Lines</u> | 24. <u>161. 33 watts</u> | 34. <u>32 times greater</u> |
| 5. <u> c </u> | 15. <u>Primary or High
voltage</u> | 25. <u>Load Factor =
0.82</u> | 35. <u>2390 watts</u> |
| 6. <u> a </u> | 16. <u>Secondary</u> | 26. <u>2.32 E -3 Ω</u> | |
| 7. <u> a </u> | 17. <u>Utility (cable or
TV or telephone or
commercial)</u> | 27. <u>1.32 E 12 J</u> | |
| 8. <u> d </u> | 18. <u> e </u> | 28. <u>1.10 E 12 J</u> | |
| 9. <u> c </u> | 19. <u> b </u> | 29. <u>4110M joules or
4.11 E9 Joules</u> | |
| 10. <u> d </u> | 20. <u> c </u> | 30. <u>1.10 E9watts</u> | |

Test Score: _____