1. Energy can be neither _____ or _____, it can only be ______ from 1 type to another. 2. Where does the energy of the car crash come from? 3. What is potential energy? 4. What is Kinetic energy 5. When the bullet hits the target, what does the energy get converted into? 6. Einstein said _____ is made of _____ 7. How does a cupcake or pizza have the same energy at TNT 8. Where does all the energy on Earth come from? 9. Stars start with _____ energy, then they create _____ energy and then _____ _____ radiation. 10. What blocks dangerous rays from getting to us? 11. How do we harness electromagnetic radiation (light)? 12. Electromagnetic energy is transformed in to energy in the tesla car.

13. What advantage does the electric car have?

The Universe: Extreme Energy

| 14. | Photosynthesis converts | energy into | |
|-----|--|---------------------|--|
| _ | energy. | | |
| 15. | Fossil fuels come from | · | |
| 16. | November 2006, what happened? | | |
| 17. | Solar flares come from | energy. | |
| 18. | Solar flares are 1500 degrees because they convert | | |
| _ | energy into | energy. | |
| 19. | What happens when a star dies? | | |
| 20. | 99% of a super nova is converted into | | |
| _ | - | | |
| 21. | What did they observe at Super Kay in Japan? | | |
| 22. | Can we convert neutrinos into energy? Why or why not? | | |
| 23. | January 2008, that did NASA see? | | |
| 24. | What can we do with the kinetic energy of a spinning black | | |
| h | ole? | | |
| 25. | cosmic ray s are the most | | |
| е | nergetic. They have the energy of a tennis | ball hit at | |
| _ | mph. | | |
| 26. | Cosmic ray s have a small mass and a high | speed, so they have | |
| _ | kinetic energy. | | |
| 27. | Are we in danger of these rays? | What is? | |

| 28 ener | | energy comes from in |
|---------|--|----------------------|
| tŀ | ne Earth. | |
| 29. | How does this | energy come |
| to | the surface? | |
| 30. | We can convert | energy in to |
| | energy. | |
| 31. | Where else can we find this kind of en | ergy? |
| 32. | Jupiter and Saturn have lots of | |
| e | nergy on their surface. | |
| 33. | Do we have this kind of energy on Eart | th? Where does it |
| C | ome from? | |
| 34. | Energy can't be or | |
| | · | |
| | | |