

Paper Recycling Worksheet

Newspaper and other paper products collected for recycling from Palm Beach County residents are sorted at the Solid Waste Authority (SWA) of Palm Beach County's Materials Recycling Facility. Once the paper is sorted, it is baled and loaded onto trailer trucks that transport it to paper manufacturing mills where it is recycled.

At the mill, the paper is loaded onto a conveyor line which moves the paper along and drops it into a pulper (a machine filled with water that has steel blades on the bottom). The soaked paper is torn apart by the rotating blades and becomes slurry. Detergents are added to the slurry to remove the ink from the fibers and chemicals may also be added to whiten the fiber. The next stage in the paper recycling process is to remove as much water as possible from the fibers. The slurry is placed between two fabric belts which removes some of the water. Then the slurry continues on the conveyor until it comes to steel rollers. At this point, the rollers squeeze out even more water. Afterwards the conveyor belt carries the paper to numerous large cylinders that are heated. When the paper goes on the cylinder, it begins to dry. The paper again passes through another set of steel rollers which smooths it out. Finally, the paper goes to the winder, which is a machine that cuts the paper in specified sizes, and then rolls it onto cardboard tubes.

I'm Groovin' News. Search for the words related to paper recycling.



Paper	E	T	M	Z	Y	P	X	K	T	L	E
Slurry	N	A	E	W	E	R	E	G	Y	N	A
Tree	O	G	W	A	L	U	N	Y	V	O	L
Water	K	I	R	T	R	I	E	I	G	Z	P
Fiber	G	L	I	E	L	Q	R	E	C	A	M
Energy	Y	W	T	R	M	O	G	R	P	R	S
Resource	T	R	E	E	N	L	Y	E	Y	E	L
Environment	Z	A	T	M	K	J	R	W	G	B	U
Recycle	L	R	E	S	O	U	R	C	E	I	R
Write	A	N	W	N	O	W	T	O	D	F	R
	T	P	E	L	C	Y	C	E	R	M	Y
	P	N	A	X	M	T	A	Y	O	R	G

DID YOU KNOW?

- A stack of newspapers 3 1/2 feet high will save one Southern Pine tree.
- Americans purchase 62 million newspapers everyday and discard 44 million of them.
- It takes 17 trees to make one ton of paper.
- The process to recycle paper takes approximately four hours.

(Source: *Recyclers Handbook* and *World Wildlife Federation*)

For more paper recycling information try the following websites:

American Forest & Paper Association: <http://www.paperrecycles.org>

Mead Paper Company: <http://www.mead.com>



1 (866) NEW-BINS
www.swa.org

Name: _____ Date: _____

“Recycling matters at home and at school.”

Directions: Create as many words as you can from the phrase, “Recycling matters at home and at school.” Use only the letters in that sentence. Do not use proper names.

Example:

- | | | |
|---------|-----|-----|
| 1. tent | 25. | 49. |
| 2. cool | 26. | 50. |
| 3. near | 27. | 51. |
| 4. | 28. | 52. |
| 5. | 29. | 53. |
| 6. | 30. | 54. |
| 7. | 31. | 55. |
| 8. | 32. | 56. |
| 9. | 33. | 57. |
| 10. | 34. | 58. |
| 11. | 35. | 59. |
| 12. | 36. | 60. |
| 13. | 37. | 61. |
| 14. | 38. | 62. |
| 15. | 39. | 63. |
| 16. | 40. | 64. |
| 17. | 41. | 65. |
| 18. | 42. | 66. |
| 19. | 43. | 67. |
| 20. | 44. | 68. |
| 21. | 45. | 69. |
| 22. | 46. | 70. |
| 23. | 47. | 71. |
| 24. | 48. | 72. |