

NATURE'S TREASURE CHEST



ReForest London
planting the future today

**adapted from The Forest Foundation's "Forests Today, Tomorrow & Forever"

Name: _____

Date: _____

VOCABULARY

Natural resource: materials we find in nature, from the environment.

These can be renewable or non-renewable.

Renewable resource: has the ability to replenish itself, whether through natural reproduction or other means, in the span of a human lifetime.

Examples include solar energy and trees.

Non-renewable resource: exists in a limited amount that takes thousands of years to replenish supplies. Examples include fossil fuels like coal and oil.

Recyclable: can be used again, usually broken down and built into a new product.

Biodegradable: can be broken down or decomposed by natural means.

Cells: the basic building blocks of living things.

Cellulose: the material that makes up plant cell walls.

Fibre: thin threads that bind together to form animal and plant matter.

Lignin: the sticky substance that binds plant cells together.

Pulp: the mash that forms when wood chips are cooked.

In the space below, draw or write some other renewable resources
that belong in Nature's Treasure Chest



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MAKE YOUR OWN RECYCLED PAPER

Materials:

- Large square pan (5-10cm deep)
- 3 cups of water
- Newspaper (a whole section is best)
- Rolling pin, large glass bottle, or any cylinder to roll with
- Large bowl

Instructions:

1. Tear 1-2 pages of newspaper into small pieces (1 inch or less)
2. Put paper pieces in the large bowl, then add all the water. Squeeze the paper and continue tearing it until the mixture looks like thick oatmeal. Add more paper if necessary. This is your "pulp".
3. Turn the pan upside down. Spread ~1 cup of the paper mixture on the pan, making sure it is even across the entire area.
4. Lay several sheets of newspaper over the pulp, then carefully turn the pan over. Remove the pan.
5. Put newspaper over the exposed side of the pulp, then roll over the newspaper to remove the excess water.
6. Uncover the top layer of newspaper, and let the new "paper" dry completely.
7. Gently peel the paper from the newspaper - you made paper!

