

NAME \_\_\_\_\_

DATE \_\_\_\_\_

Cut apart the following steps for manufacturing a paper bag. Sequence them in a way that shows the process from beginning to end. (Hint: The steps may not form one straight line.)



Trees are harvested and cut into logs.

**A**



The sack-making machine folds and glues the sheets of paper.

**B**



A certified forest is managed sustainably so that it meets standards for environmental, social, and economic criteria.

**C**



Logs are sent to a mill, where they are tumbled to remove their bark.

**D**



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Trees are planted to ensure healthy forests for decades to come. They support biodiversity, wildlife habitat, and recreation and produce fiber to make wood products.

**E**



The pulp mixture moves through a series of rollers that press and dry it into rolls of paper.

**F**



At the bag assembling plant, a sack-making machine cuts rolls of paper into sheets.

**G**



At the paper mill, 70% certified paper pulp, 15% noncertified paper pulp, and 15% recycled paper pulp are mixed together with water.

**H**

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Recycled paper is deinked, cleaned, and cooked to make recycled paper pulp.

I



Healthy forests are a critical part of the web of life. But not all forests are certified by certifying organizations, and their use does not always meet environmental, social, and economic standards.

J



Debarked logs are either put through grinders or cooked in a chemical solution to break down the wood into paper pulp. The process is the same for certified and noncertified forests.

K



A printing machine prints the store name and forest product certification label on the bag.

L



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Recycled paper is gathered at recycling centers and sent to a paper recycling mill.

**M**



Foresters monitor growing trees to ensure the forest remains healthy and continues to provide a range of benefits, including wildlife habitat, recreation, and future wood products.

**N**

## CAREER CORNER

**PAPER MANUFACTURERS** run paper-making machines in a paper mill and inspect the finished products to ensure that they are high quality.

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