

**TEACHING TIP**  
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**OBJECTIVES:** To expand the student's knowledge of some of the different everyday household products that come from the cellulose, bark or sap of a tree. To have students become aware of the fact that trees are an incredible, renewable resource!

**MATERIALS:** 2 #10 tin cans, forest product flash cards, and a wide open space for the relay teams to run in. (can be modified for indoor use)

**TIME:** 15-20 minutes

**AGE LEVEL:** 6th-9th Grades

**SUGGESTIONS FOR APPLICATION:** Before playing this game it is beneficial to precede with a classroom discussion and/or class sessions on tree identification, forest ecology, etc.

**METHOD:** Divide group into two equal lines. Each student needs to have 2 or more product cards. Designate 1 tin can for the products the students' think DO come from a tree and the other can for those products that DO NOT come from a tree. Place the tin cans at least 3 feet apart from each other at a distance from the group that would make for a great relay race (your judgement).

Each team member must run up to the cans, deposit their product card in whatever can they think appropriate (only one card per trip, please!!), then run back to the team, slap the next person in line on the hand and continue the process until the cards are gone. Team done first should sit down.

**FOLLOW UP:** Have everyone gather around sitting in a circle, and begin the discussions by reviewing points regarding the parts of trees that products can come from: the *cellulose* ( a complex carbohydrate that constitutes the chief part of cell walls of higher plants and yeilds fiber for many products), the *bark* ( the tough exterior covering of a woody root or stem), or the *sap* ( the fluid part of a vascular plant; the gum or resin).

Begin pulling the cards out one by one and asking the students whether each product comes from a tree or not and which part of the tree, the cellulose, bark or sap, was used in making the product.

**NOTE:** On the back of each card, you can design a marking system for YOU, THE ALL-KNOWING-ONE to immediately know if the product came from a tree and the tree product that was used in production. Holding the card with product name or picture side out to the students, you can look on the back for the sneaky little mark!! Cards without a mark represent products that do not come from trees.

 This mark represents a product derived from CELLULOSE.

 This mark represents a product derived from BARK.

 This mark represents a product derived from SAP.

**FOREST PRODUCT CARDS** can include pictures of everyday household products:  
CELLULOSE BASE-carpeting, rayon, sun tan lotion, paper products and more.  
BARK BASE-cork, dye, oils, etc.

SAP BASE-paint thinner, perfumes, shoe polish, crayons, sugar, syrup.