

Link 'Ems

By-products are a valuable part of agriculture!

How well do you know your by-products? Link each raw commodity in the bag with its by-product. Try this fun activity with students or in a teacher workshop!

Walnuts

Walnut meats aren't the only part of the walnut fit for human consumption. Its oils are used in cosmetics, and the shells are used in many abrasives for sand blasting roads and cleaning engines. The shells are used in the production of sand paper, snow tires and pet litter.

Wood

More than 5,000 products are made from trees. One is rayon, a silk-like fabric that was the first manufactured fiber. It's made from cellulose acetate, which comes from wood pulp. The cellulose is dissolved by chemicals, forced through tiny holes in a metal spinneret, and then twisted into silky yarn.

Corn

According to the *National Corn Growers Association*, there are uses for every part of the cornstalk—husks, kernels, and even the water the kernels are processed in. Many "packing peanuts" are nearly 100% corn. They dissolve in water, making them environmentally friendly.

Wool

Wool from sheep contains lanolin, which helps the wool repel water. During processing, the lanolin is removed from the wool for use as a moisturizer in many soaps, facial creams and lotions.

Soybeans

Soybeans, used in the production of tofu, also make great crayons. *Prang Fun Pro* makes a crayon that is 85% soybean oil. It took a team of chemists and product developers two years to bring this unique crayon to consumers. One acre of soybeans can make 82,368 crayons!

California Foundation for Agriculture in the Classroom

2300 River Plaza Drive, Sacramento, CA 95833-3293 • (800) 700-AITC • cfaite@cfbf.com • www.cfaitec.org

Link 'Ems

By-products are a valuable part of agriculture!

How well do you know your by-products? Link each raw commodity in the bag with its by-product. Try this fun activity with students or in a teacher workshop!

Walnuts

Walnut meats aren't the only part of the walnut fit for human consumption. Its oils are used in cosmetics, and the shells are used in many abrasives for sand blasting roads and cleaning engines. The shells are used in the production of sand paper, snow tires and pet litter.

Wood

More than 5,000 products are made from trees. One is rayon, a silk-like fabric that was the first manufactured fiber. It's made from cellulose acetate, which comes from wood pulp. The cellulose is dissolved by chemicals, forced through tiny holes in a metal spinneret, and then twisted into silky yarn.

Corn

According to the *National Corn Growers Association*, there are uses for every part of the cornstalk—husks, kernels, and even the water the kernels are processed in. Many "packing peanuts" are nearly 100% corn. They dissolve in water, making them environmentally friendly.

Wool

Wool from sheep contains lanolin, which helps the wool repel water. During processing, the lanolin is removed from the wool for use as a moisturizer in many soaps, facial creams and lotions.

Soybeans

Soybeans, used in the production of tofu, also make great crayons. *Prang Fun Pro* makes a crayon that is 85% soybean oil. It took a team of chemists and product developers two years to bring this unique crayon to consumers. One acre of soybeans can make 82,368 crayons!

California Foundation for Agriculture in the Classroom

2300 River Plaza Drive, Sacramento, CA 95833-3293 • (800) 700-AITC • cfaite@cfbf.com • www.cfaitec.org

Link 'Ems

By-products are a valuable part of agriculture!

How well do you know your by-products? Link each raw commodity in the bag with its by-product. Try this fun activity with students or in a teacher workshop!

Walnuts

Walnut meats aren't the only part of the walnut fit for human consumption. Its oils are used in cosmetics, and the shells are used in many abrasives for sand blasting roads and cleaning engines. The shells are used in the production of sand paper, snow tires and pet litter.

Wood

More than 5,000 products are made from trees. One is rayon, a silk-like fabric that was the first manufactured fiber. It's made from cellulose acetate, which comes from wood pulp. The cellulose is dissolved by chemicals, forced through tiny holes in a metal spinneret, and then twisted into silky yarn.

Corn

According to the *National Corn Growers Association*, there are uses for every part of the cornstalk—husks, kernels, and even the water the kernels are processed in. Many "packing peanuts" are nearly 100% corn. They dissolve in water, making them environmentally friendly.

Wool

Wool from sheep contains lanolin, which helps the wool repel water. During processing, the lanolin is removed from the wool for use as a moisturizer in many soaps, facial creams and lotions.

Soybeans

Soybeans, used in the production of tofu, also make great crayons. *Prang Fun Pro* makes a crayon that is 85% soybean oil. It took a team of chemists and product developers two years to bring this unique crayon to consumers. One acre of soybeans can make 82,368 crayons!

California Foundation for Agriculture in the Classroom

2300 River Plaza Drive, Sacramento, CA 95833-3293 • (800) 700-AITC • cfaite@cfbf.com • www.cfaitec.org

Link 'Ems

By-products are a valuable part of agriculture!

How well do you know your by-products? Link each raw commodity in the bag with its by-product. Try this fun activity with students or in a teacher workshop!

Walnuts

Walnut meats aren't the only part of the walnut fit for human consumption. Its oils are used in cosmetics, and the shells are used in many abrasives for sand blasting roads and cleaning engines. The shells are used in the production of sand paper, snow tires and pet litter.

Wood

More than 5,000 products are made from trees. One is rayon, a silk-like fabric that was the first manufactured fiber. It's made from cellulose acetate, which comes from wood pulp. The cellulose is dissolved by chemicals, forced through tiny holes in a metal spinneret, and then twisted into silky yarn.

Corn

According to the *National Corn Growers Association*, there are uses for every part of the cornstalk—husks, kernels, and even the water the kernels are processed in. Many "packing peanuts" are nearly 100% corn. They dissolve in water, making them environmentally friendly.

Wool

Wool from sheep contains lanolin, which helps the wool repel water. During processing, the lanolin is removed from the wool for use as a moisturizer in many soaps, facial creams and lotions.

Soybeans

Soybeans, used in the production of tofu, also make great crayons. *Prang Fun Pro* makes a crayon that is 85% soybean oil. It took a team of chemists and product developers two years to bring this unique crayon to consumers. One acre of soybeans can make 82,368 crayons!

California Foundation for Agriculture in the Classroom

2300 River Plaza Drive, Sacramento, CA 95833-3293 • (800) 700-AITC • cfaite@cfbf.com • www.cfaitec.org