

Uses of Cellulose

Enrichment Activity for Lesson 2-5

Skills: *applying, researching*

PART A Read the passage below. Then, answer the questions that follow the passage.

Cellulose

Cellulose is the material that gives the cell wall of a plant cell its strength. All fruits and vegetables contain cellulose. Vegetables that contain the stalk or leaves of plants, such as celery and spinach, are rich in cellulose. Wood and cotton also contain large amounts of cellulose.

Many everyday products are made from cellulose. Cellophane is a thin, transparent material made from cellulose contained in wood. Paper is also made from cellulose removed from wood. Textile manufacturers combine cellulose from cotton with other substances to produce the clothing materials rayon and acetate. Rayon also is used to make tires.

1. List four substances that naturally contain large amounts of cellulose. _____

2. What are two uses of rayon? _____
3. Name two products made from the cellulose obtained from wood. _____

PART B List ten products in your home that contain cellulose. Next to each product, identify whether it naturally contains cellulose or if it was made using cellulose.

COMMON PRODUCTS CONTAINING CELLULOSE	
Product	Origin
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	