

# Made From Animals

**Grade Level: K-3**

**Approximate Length of Activity: One**

## **Objective**

### **Teacher**

1. Describe different by-products produced from animals.
2. Show how our lives are greatly affected by agriculture.

### **Students**

1. Learn about the by-products made from animals.
2. Understand that agriculture provides other products than food.

**Michigan Content Standards: (Language Arts) R.WS.00.10; R.NT.00.05; R.WS.01.10; R.NT.01.05; R.WS.02.10; R.WS.02.11; R.NT.02.05; R.WS.03.08**

## **Vocabulary**

- **Boar**- a male pig.
- **Bristle**- a short stiff hair or something like a hair.
- **Down**- a covering of soft fluffy feathers.
- **Fleece**-the woolly coat of an animal (as a sheep).
- **Gelatin**- gummy or sticky protein obtained by boiling animal tissues and used as food, in photography, and in medicine.
- **Leather**-animal skin prepared for use.
- **Transplant**-to transfer (an organ or tissue) from one part or individual to another.
- **Valve**- a bodily structure (as in a vein or the heart) that closes temporarily to prevent passage of material or that allows movement of a fluid in one direction only.
- **Wool**-the soft wavy or curly usually thick undercoat of various mammals and especially sheep.



## Background

We get much more than food from animals on the farm. Leather from the hide of a cow is used to make shoes, belts and baseball gloves. The cow's bones and horns are used to make buttons, piano keys and violin strings. Gelatin used to make marshmallows, ice cream and other desserts also comes from the cow's bones and horns. Even chewing gum is made from a part of the cow's stomach.

The bristly hair of a pig makes a great hairbrush. From the pig's hide we get a soft leather that is good for making gloves and some shoes. The heart valves from pigs are used for transplanting into the hearts of humans with heart trouble, and the skin of hogs is sometimes used to replace the skin of people who have been badly burned.

Most mattresses and pillows these days are stuffed with foam made from petroleum products, but some people think the best pillows are still made from goose feathers. Goose down is used to make comforters and coats that are the warmest you can get.

Rabbit furs make nice collars, earmuffs, and even jackets and coats. Wool is one of the two main products we get from sheep. Wool is made from the sheep's fleece. The fleece is like the sheep's hair. Sheep farmers shear, or cut the sheep's fleece once a year, just like you get a haircut. The fleece is then spun into wool yarn and woven or knitted into sweaters, caps, coats, carpets and blankets. Lanolin is a natural oil produced by the wool of a lamb. It has a smooth and silky feel and is used for making soaps and lotions.

## Materials Needed

- Articles made from animals: leather belt, bag or shoe, wool scarf, sweater or mittens; down pillow; boar bristle brush
- The following materials are optional: feathers and down from poultry animals, fleece from sheep, alpaca or llama, rawhide, wool yarn
- Copies of Worksheet A and B

## Activity Outline

1. Bring a variety of articles made from animals. Show them to students one at a time and ask students to name the animal from which they were produced.
2. Lead a discussion on animal products, using the background information above.
3. Hand out Student Worksheet A. Discuss the animals and then the products pictured below them.

Instruct students to mentally match each animal's picture to the product it produces. Have students color and then cut out the pictures of products and glue them next to the pictures of the appropriate animals.

Answers: lamb-wool sweater; pig-hairbrush (bristles); chicken-egg; beef cow-baseball mitt; goose-down feather pillow; rabbit-rabbit fur earmuffs.

4. Hand out Student Worksheet B. Have students complete the sentences using the vocabulary words.

Answers: 1. wool; 2. pig; 3. bacon; 4. mitt; 5. beef; 6. goose; 7. egg

5. Bring goose feathers and ink to class, and have students use the quills from feathers for writing.
6. Make a bulletin board, using the farm animals as the center. Place pictures or drawings of animal products around the board. Using yarn, attach the product to the animal that produces it.

7. Bring in soaps and lotions containing lanolin for students to handle. If possible, bring in unwanted raw wool for students to feel and compare with the feel of the soaps and lotions. Discuss why humans would want to use lanolin on their skin.

### **Discussion Questions**

1. What are three products in your home that were “made from animals?”
2. What animal do the bristles of a hairbrush come from?
3. What would happen if we didn’t have any animals?

### **Related Activities**

1. The lesson “Why do People Raise Sheep?” located in the social studies section of this curriculum guide.
2. The lesson “Honey Bees, Chickens and Cows ...Oh My!” located in the social studies section of this curriculum guide.
3. The lesson “A Day Without Ag” located in the social studies section of this curriculum guide.

### **Book Resources**

1. “Pig in a Barrow” by Bert Kitchen
2. “1,2, 3” by Yoshi


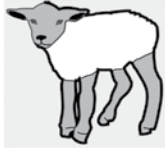



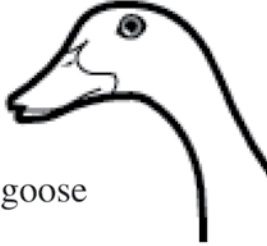
*Acknowledgement: Adadpted from “Made from Animals” Oklahoma Agriculture in the Classroom.*




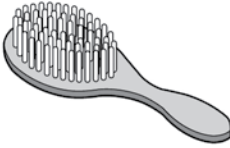

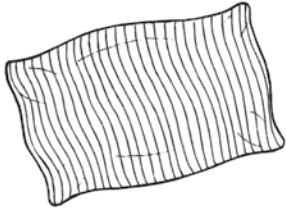


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## Worksheet A

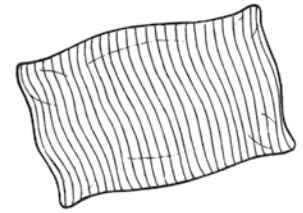
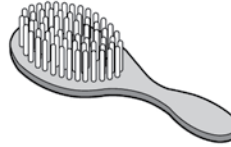
Color the pictures. Cut out the animal products. Glue the product next to the animal from which it was made.

 <p>rabbit</p>		 <p>lamb</p>	
 <p>pig</p>		 <p>chicken</p>	
 <p>beef cattle</p>		 <p>goose</p>	

 <p>wool sweater</p>	 <p>egg</p>	 <p>baseball mitt</p>
 <p>hairbrush</p>	 <p>earmuffs</p>	 <p>feather pillow</p>

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## Worksheet B



Use the vocabulary words to fill in the blanks.

1. My grandmother knitted my sweater from a sheep's \_\_\_\_\_.
2. My favorite hairbrush is made from the bristle of a \_\_\_\_\_.
3. We ate \_\_\_\_\_ from a pig for breakfast.
4. My brother's baseball \_\_\_\_\_ is made from the hide of a beef steer.
5. Our hamburgers come from \_\_\_\_\_ cattle, too.
6. My brothers were throwing pillows, and there were \_\_\_\_\_ feathers everywhere.
7. The chicken laid an \_\_\_\_\_, and I ate it.

### Vocabulary

pig

chicken

goose

wool

egg

mitt

feather

beef

bacon

