

AGRICULTURE

Name: _____

Instructions: Pick **TEN** of the boxes to complete (due to testing and student council days we would have had ten days of class during the 13 days you have off). Record the date you complete each assignment. You can email your responses to Mrs. Propson at jpropson@mishicot.k12.wi.us if you have internet access or attach them all to this page. All tasks due 4/6/20

<p>Pig Power Do you know how many products come from hog origin? Look through your home for pig products, highlight any you have (see pig product sheet on the back of the page) Write a one-sentence summary about how swine impact our daily life. Date: ____/____/20</p>	<p>Nature Walk Go for a walk and observe your environment. Record at least 10 living things that you see. For each of these, explain how they are impacted by the environment. Explain how humans interact with them or can affect them. Date: ____/____/20</p>	<p>Garden Plan Create a plan for a garden for your family. Create a chart that includes the crops you would grow, when you would plant them, how far apart they should be planted, and when you expect to harvest a crop. Date: ____/____/20</p>	<p>Marketing Techniques Choose 5 food products that are in your home. For each product, look at it's packaging. Sketch the packaging and label the "advertisements" on the label. Explain why a company would include these claims on the label. Date: ____/____/20</p>
<p>Where Does it Come From? Choose 10 products in your home that you DON'T KNOW the source of. Try to STUMP THE TEACHER by creating a quiz with multiple choice options of the source of each object. Include an answer key on the back. Date: ____/____/20</p>	<p>Ag Promo Poster Create a persuasive poster that explains to someone why agriculture is necessary for life. (think about all 8 pathways) Include examples of how life would be different without agriculture. Be neat and use color! Date: ____/____/20</p>	<p>What's on My Plate? Write down each food you eat today. For each food, determine what the main ingredient is, record it, and what agricultural commodity the ingredient comes from. Date: ____/____/20</p>	<p>Landscape Clean-Up Remove dead leaves, branches, and other Fall plant matter from your home landscape beds. Talk to your parents about considering a compost pile or where to put dead matter. Write a two sentence summary. Date: ____/____/20</p>
<p>Teacher Time! Pick a topic we have covered in Ag class (A-J). Teach your family members about this topic. Write a paragraph to explain how you did this. Have your family members give you feedback. How could you do this better in the future? Bonus if you take pictures. Date: ____/____/20</p>	<p>Maple Syrup Interview (in person, on phone, email, or watch a YouTube tutorial) someone who has made maple syrup and record their responses. When is this done? How? Why? Where can error occur? How is sap stored? Syrup stored? Date: ____/____/20</p>	<p>Home Improvement Project Assist an adult with a home improvement project. Write a summary of what you did. Explain how you and the people around you followed safety precautions to prevent injuries. Explain if there are areas you could do better next time. Bonus if you include before and after pictures. Date: ____/____/20</p>	<p>A Day in the Life Choose an agricultural career OTHER THAN FARMING. For that career, write a short story that explains what a typical day could look like for this career. This should be in complete sentences with proper grammar/spelling. This should be at least 3 paragraphs of 4-7 sentences each. Date: ____/____/20</p>
<p>Organic Survey Survey two different adults and two different peers on organic. What do they think it is? Do they eat organic? Why or why not? Do they want to see more/less organic options? Can they taste the difference? Summarize your findings in a data table. Date: ____/____/20</p>	<p>Planting Seeds Gather supplies needed to plant your seeds. Keep these indoors until mid-April. Follow the directions on the packet. Record the following information: Name (and variety) of crop you planted, how deep you planted the seeds, water requirements, light requirements, number of days until the seedlings emerge. Date: ____/____/20</p>	<p>Mealtime Chats Start a conversation with your family about agriculture and why it is important today. If you can, explain some of the new ways that agriculture is changing and that it is more than just farming. Write at least 1 paragraph (4-6 sentences) on what you discussed. Date: ____/____/20</p>	<p>Animal Care Plan What would happen if you were not able to take care of your pet? Create a detailed step-by-step instruction plan for someone else if they need to care for your pet. Include measurements for food/water, explain how to locate food or other needed supplies, brand names of food, and any medications for your pet. Date: ____/____/20</p>
<p>Organic Survey Survey two different adults and two different peers on organic. What do they think it is? Do they eat organic? Why? Do they want to see more/less-organic options? Can they taste the difference? Summarize your findings in a data table. Date: ____/____/20</p>	<p>Pig Farm Tour If you have access to the internet search OHIO PORK on YouTube and pick any virtual field trip from their channel to watch. Create a drawing of a pig barn and the elements they discussed in the video inside it. Date: ____/____/20</p>	<p>Landscape Dreams Create a sketch of how you could add a new flower bed to your landscape. What would you add? Why? Where? Add color and labels to explain your ideas. Date: ____/____/20</p>	<p>FFA Opportunities Create a foldable that outlines at least eight opportunities students can participate in within the FFA organization. Be neat and creative in your design. Date: ____/____/20</p>

Every ounce of Pig 05049 was used, helping create an astonishing 185 products. Here are some of the more surprising uses for the animal - and a diagram to show just which bit of the beast, from the trotter to the snout, is used where...

- 1 Chemical weapons testing:** Because of the pig's similarity to human tissue
- 2 Ice cream:** Gelatine regulates the sugar crystallisation and slows down the melting process
- 3 Fertiliser:** Made from processed pig hair
- 4 Low fat butter:** Gelatine used for texture

5 Beer: Gelatine used as a clarifying agent. Reacts with bitter substances and tannins to absorb cloudy elements, leaving clear drinks



- 6 Fabric softener:** Fatty acids from bone fat give colour
- 7 Paint brush:** Made from pig hair
- 8 Fruit juice:** Gelatine absorbs cloudy elements to give clear drinks
- 9 Shampoo:** Fatty acids from bone fat are used to give them a pearl-like appearance
- 10 Candle:** Fatty acids from bone fat are used to stiffen the wax and raise the candle's melting point



11 Bread: Protein from pig hair is used to soften dough

12 Bullet: Bone gelatine used to help transport the gunpowder or cordite into the casing



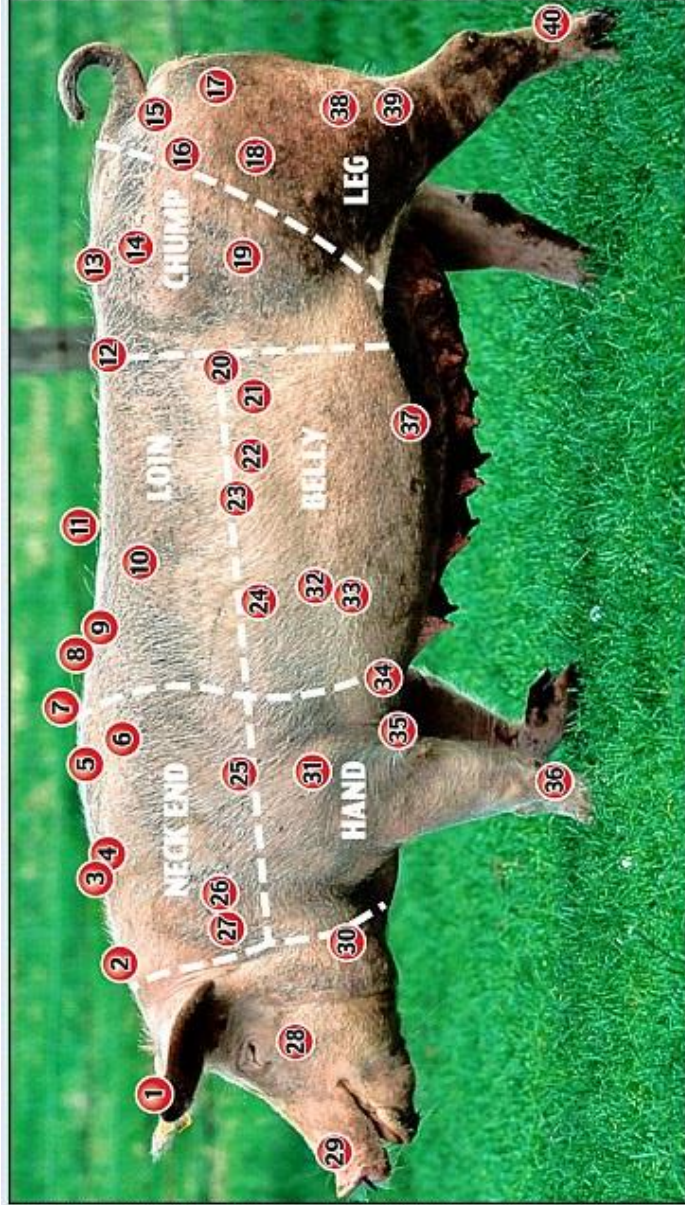
13 Medicine tablets: Gelatine is used in the shell to give it hardness

14 Washing powder: Fatty acids from bone fat harden the substance

15 Paint: Fatty acids from bone fat increase gloss



16 Tambourine: Made from the pig's bladder



28 Moisturisers: Fatty acids from bone fat used

29 Dog snack: Deep fried pig nose



30 Crayons: Fatty acids are used as a hardening agent

31 Shoes: Bone glue is used to improve the texture and quality of the leather

32 Train brakes: Bone ash used in production

33 Toothpaste: Glycerine from bone fat is used to give toothpaste texture

34 Hide glue: A strong glue used in the woodworking industry derived from collagen



35 Face mask: With collagen to help reduce wrinkles and lines

36 Alternative energy: Waste products used as fuel to produce electricity

37 Energy bar: Treated collagen is cheap source of protein for body builders

38 Cream cheese: Gelatine used to make it stable

39 Whipped cream: Gelatine gives texture

40 Sweets: Porcine gelatine used as a binding and gelling agent and to ensure the right texture is found in the following: liquorice, wine gums, chewing gum

How a 16 stone 31lb pig breaks down...

Bones 33lb 15%

Internal organs 31lb 13.6%

Miscellaneous 14lb 6.3%

Blood 12lb 5.3%

Fat 12lb 5.3%

Skin 6.6lb 2.9%

17 Wine: Gelatine absorbs cloudy elements to give clear drinks

18 Paper: Bone gelatine is used to improve stiffness and reduce moisture

19 Heparin: Used to stop the formation of blood clots, it is taken from the mucus in the intestines



20 Soap: Fatty acids from bone fat act as a hardening agent and give colour

21 Corks: Bone gelatine is used as a binder

22 Insulin: Taken from the pancreas, as closest to human in chemical structure

23 Yoghurt: Pig bone calcium is used in some yoghurts

24 Cigarettes: Haemoglobin from the blood used in cigarette filters to create an artificial lung that supposedly lessens harmful chemicals reaching the smoker

25 Photographic film: Bone gelatine acts as a bonding agent on the film sheet

26 Dog food treat: Haemoglobin used as a red colouring agent

27 Photodynamic therapy: Haemoglobin used in drug to treat retina decay in the eye. Drug is activated by shining laser into eye