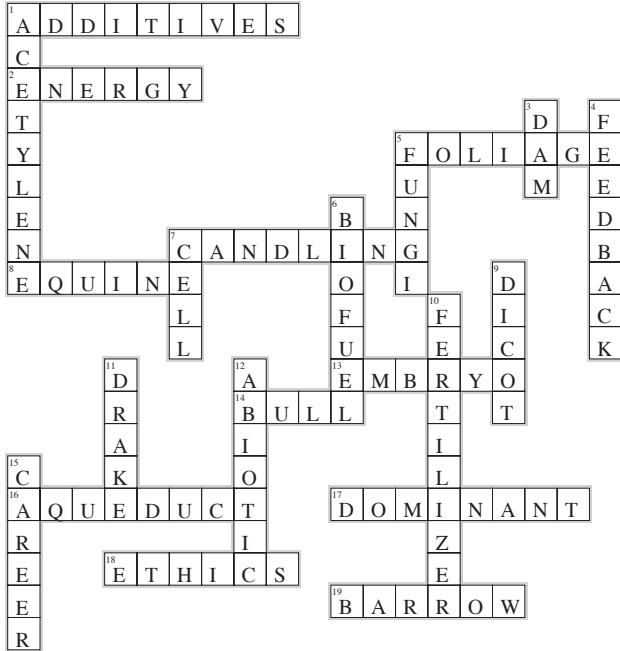


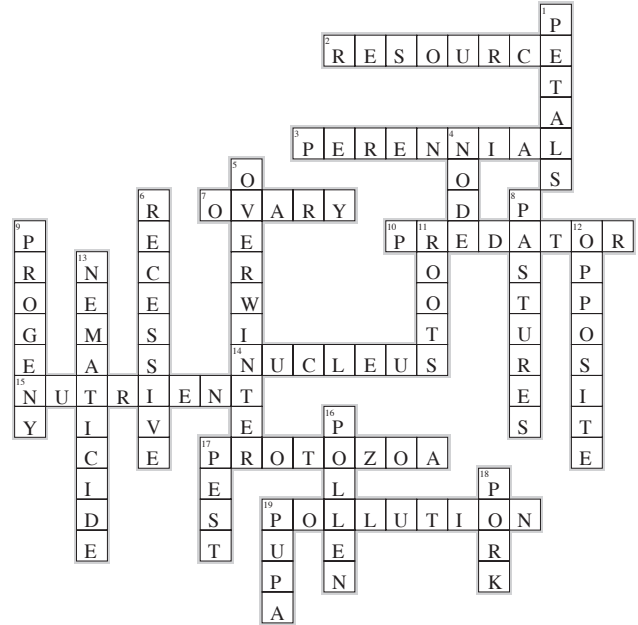
Activity Answers

Activity 1



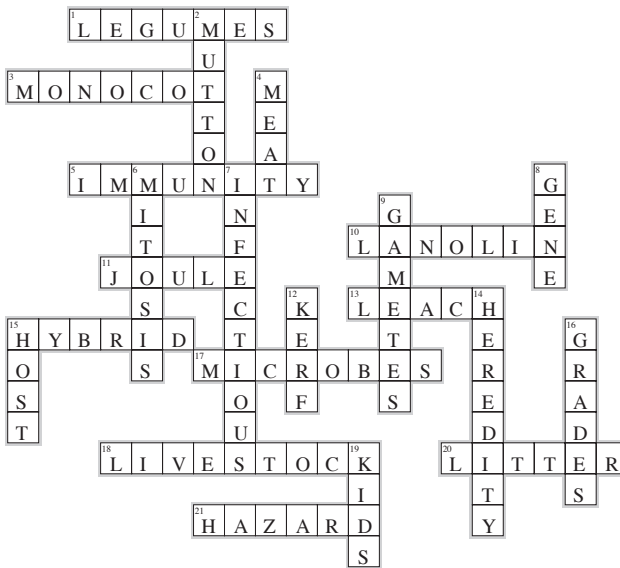
EclipseCrossword.com

Activity 3



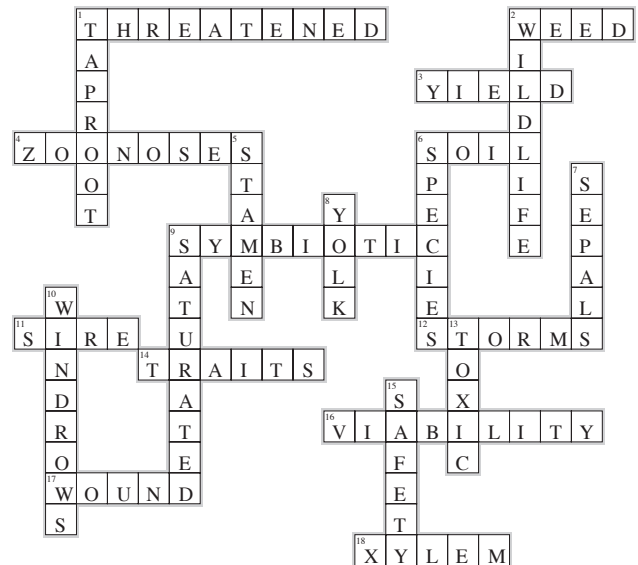
EclipseCrossword.com

Activity 2



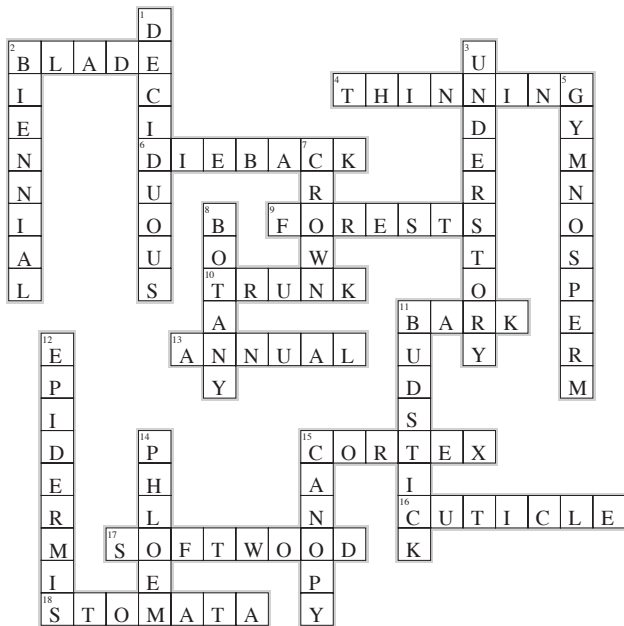
EclipseCrossword.com

Activity 4



EclipseCrossword.com

Activity 5



EclipseCrossword.com

Activity 6

Answer: CAREER CHOICES

- | | | |
|------|-------|-------|
| 1. O | 6. C | 11. R |
| 2. H | 7. E | 12. E |
| 3. E | 8. C | 13. S |
| 4. I | 9. R | |
| 5. C | 10. A | |

Activity 7

Answer: WELDING A GATE

- | | | |
|------|------|-------|
| 1. G | 5. T | 9. D |
| 2. G | 6. L | 10. A |
| 3. E | 7. A | 11. I |
| 4. W | 8. N | 12. E |

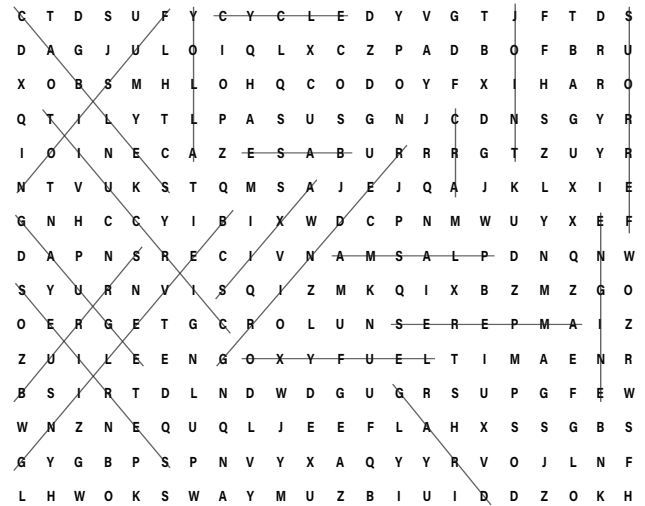
Activity 8

Answer: FOOD TECHNOLOGY

- | | | |
|------|-------|-------|
| 1. C | 6. F | 11. O |
| 2. O | 7. L | 12. N |
| 3. G | 8. T | 13. O |
| 4. E | 9. H | 14. D |
| 5. O | 10. Y | |

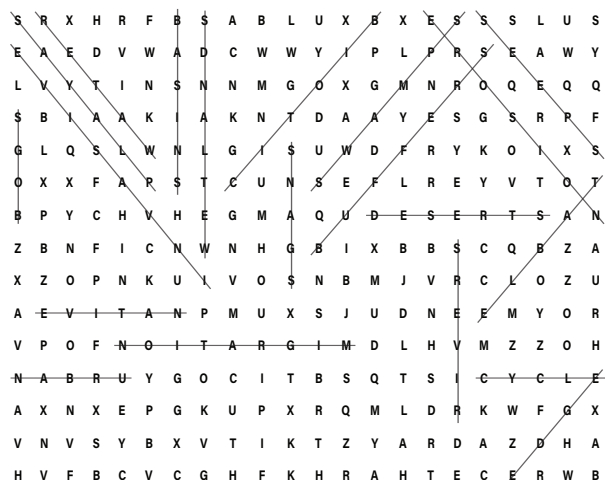
Activity 9

- | | |
|------------|--------------|
| 1. alloy | 11. grinder |
| 2. cables | 12. circuit |
| 3. axis | 13. beveling |
| 4. base | 14. oxyfuel |
| 5. engine | 15. burrs |
| 6. ferrous | 16. gauge |
| 7. fusion | 17. joint |
| 8. amperes | 18. drag |
| 9. arc | 19. plasma |
| 10. cycle | 20. series |



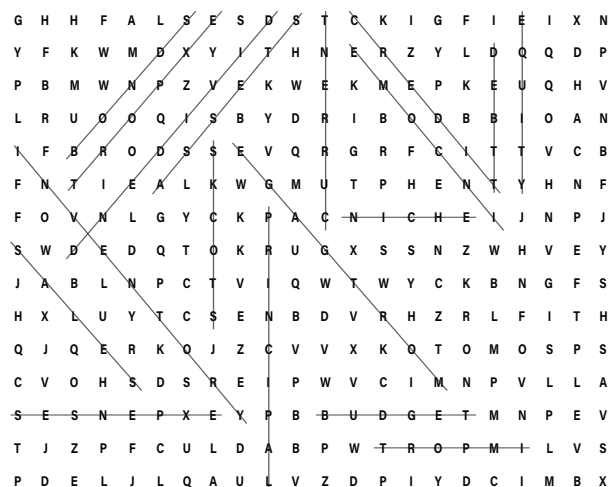
Activity 10

- | | |
|--------------|-------------|
| 1. bogs | 11. seeps |
| 2. deserts | 12. rivers |
| 3. erosion | 13. swamps |
| 4. migration | 14. cycle |
| 5. biotic | 15. urban |
| 6. invasive | 16. basins |
| 7. playas | 17. buffers |
| 8. edge | 18. water |
| 9. snags | 19. table |
| 10. wetlands | 20. native |



Activity 11

- | | |
|--------------|---------------|
| 1. inventory | 10. principal |
| 2. equity | 11. dividend |
| 3. niche | 12. assets |
| 4. sales | 13. import |
| 5. export | 14. expenses |
| 6. stocks | 15. credit |
| 7. current | 16. bonds |
| 8. debt | 17. budget |
| 9. income | 18. mortgage |



Activity 12

Answer: GLOBAL POSITIONING SYSTEM

Words:

- | | |
|--------------|----------------|
| 1. data | 7. planimeter |
| 2. drainage | 8. topography |
| 3. ecosystem | 9. topsoil |
| 4. estuary | 10. watershed |
| 5. greenbelt | 11. windbreaks |
| 6. map | |

Activity 13

Answer: AGRITOURISM

Words:

- | | |
|------------|----------------|
| 1. birding | 5. retailers |
| 2. camping | 6. taxidermy |
| 3. hiking | 7. wholesalers |
| 4. hunting | |

Activity 14

Answer: CHICKENS

Words:

- | | |
|-------------|--------------|
| 1. broiler | 5. chick |
| 2. brooding | 6. cock |
| 3. capon | 7. debeaking |
| 4. chalazae | 8. hen |

Activity 15

Answer: NON-VERBAL COMMUNICATION

Words:

- | | |
|-------------------|--------------------------|
| 1. photography | 7. introduction |
| 2. bibliography | 8. homonyms |
| 3. composition | 9. written citation |
| 4. digital zoom | 10. voice over |
| 5. extemporaneous | 11. verbal communication |
| 6. communication | 12. photo credit |

Activity 16

Answer: TO GET TO THE UDDER SIDE!

Words:

- | | |
|------------|--------------|
| 1. calf | 11. filly |
| 2. lamb | 12. cow |
| 3. kids | 13. sow |
| 4. foal | 14. ewe |
| 5. steer | 15. doe |
| 6. barrow | 16. mare |
| 7. wether | 17. bull |
| 8. gelding | 18. boar |
| 9. heifer | 19. ram |
| 10. gilt | 20. stallion |

Activity 17

- | | |
|----------------|---------------|
| 1. heifers | 9. marbling |
| 2. culling | 10. breed |
| 3. overgrazing | 11. gestation |
| 4. branding | 12. pastures |
| 5. crossbred | 13. bovine |
| 6. slaughter | 14. dry cow |
| 7. wean | 15. castrate |
| 8. calf | |

Activity 18

- | | |
|----------------|---------------|
| 1. accident | 7. slag |
| 2. flash point | 8. flashback |
| 3. combustible | 9. kerf |
| 4. flammable | 10. oxidation |
| 5. hazard | 11. backfire |
| 6. welding arc | 12. tapping |

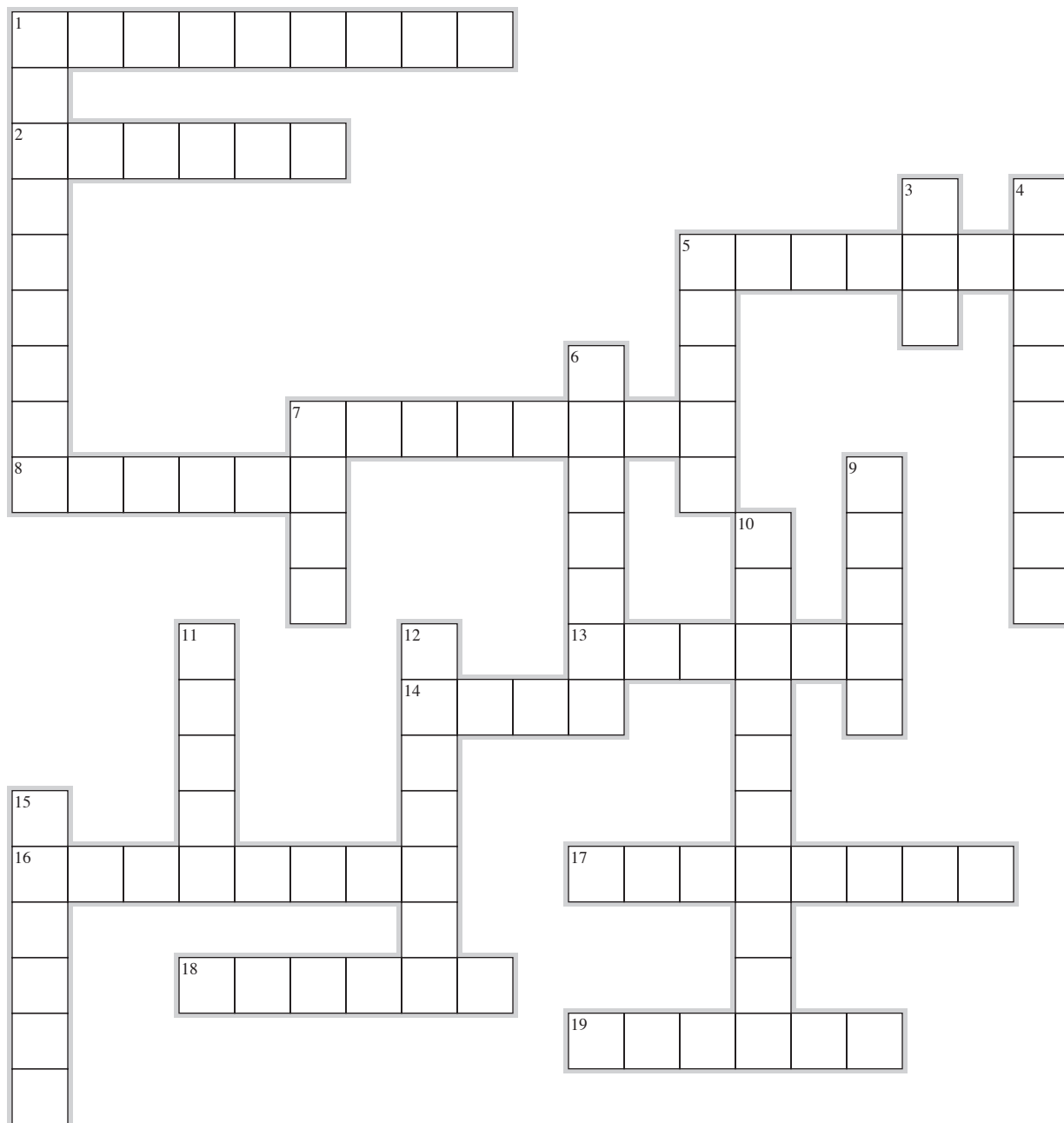
Activity 19

- | | |
|-------------------|---------------------|
| 1. loam | 8. organic matter |
| 2. perennial | 9. respiration |
| 3. photosynthesis | 10. annual |
| 4. biennial | 11. transpiration |
| 5. deciduous | 12. climate |
| 6. minerals | 13. parent material |
| 7. evergreen | 14. chlorophyll |

Crossword Puzzle

ACTIVITY 1

Name _____ Date _____ Hour _____



EclipseCrossword.com

Across

1. components added to feed that are of no nutritive value such as antibiotics
2. power derived from the use of physical or chemical resources
5. grouping of leaves from one or more plants
7. shining a light into an egg to determine quality
8. horse or member of the horse family
13. fertilized egg
14. uncastrated male beef animal
16. man-made channel for moving water
17. trait that is expressed over a recessive trait; genetics
18. system of moral principles that defines what is right and wrong
19. castrated male hog

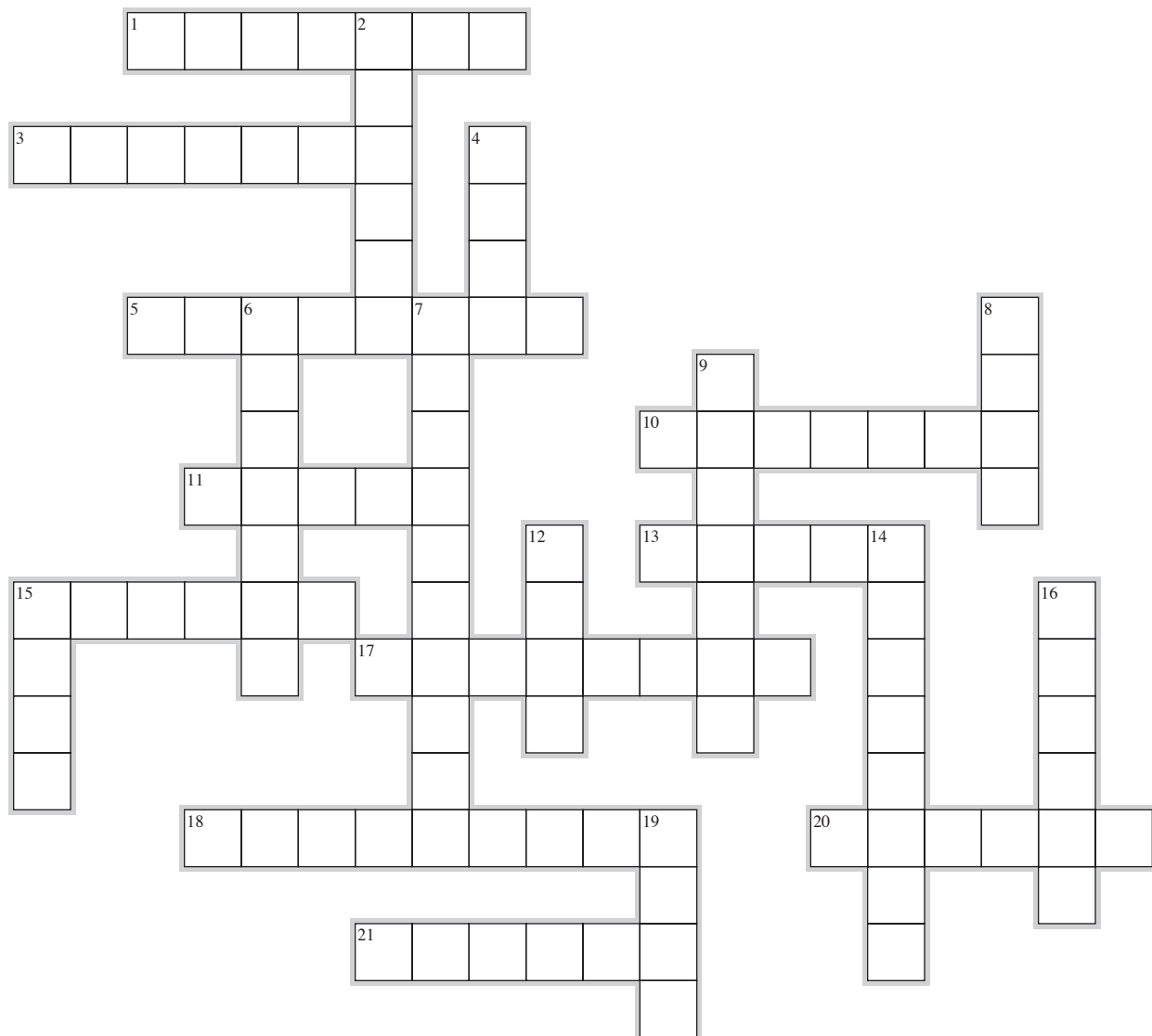
Down

1. a colorless, flammable gas; the most commonly used fuel for oxyfuel applications
3. female parent of an animal
4. response
5. plant-like organisms that lack chlorophyll and reproduce by spores
6. fuel created by converting plant products to usable energy
7. basic unit of all life
9. plant that has two cotyledons (seed leaves) when it germinates
10. soil amendment that contains a guaranteed minimum percentage of nutrients
11. mature male duck
12. non-living; components of the ecosystem including sunlight, atmosphere, water, soil, topography, and climate
15. profession or line of work actively pursued

Crossword Puzzle

ACTIVITY 2

Name _____ Date _____ Hour _____



EclipseCrossword.com

Across

1. plants with pods that have the ability to convert nitrogen from the air into nitrogen for the soil
3. plant with one cotyledon (seed leaf) when it germinates
5. resistance to disease and infection
10. grease-like substance that naturally coats sheep's wool
11. a unit of measurement of work
13. carried away
15. offspring of two genetically different species
17. microorganisms in food that could potentially be dangerous
18. animals kept for use or profit
20. group of pigs born from a sow
21. situation that poses a level of threat to life, health, property or environment

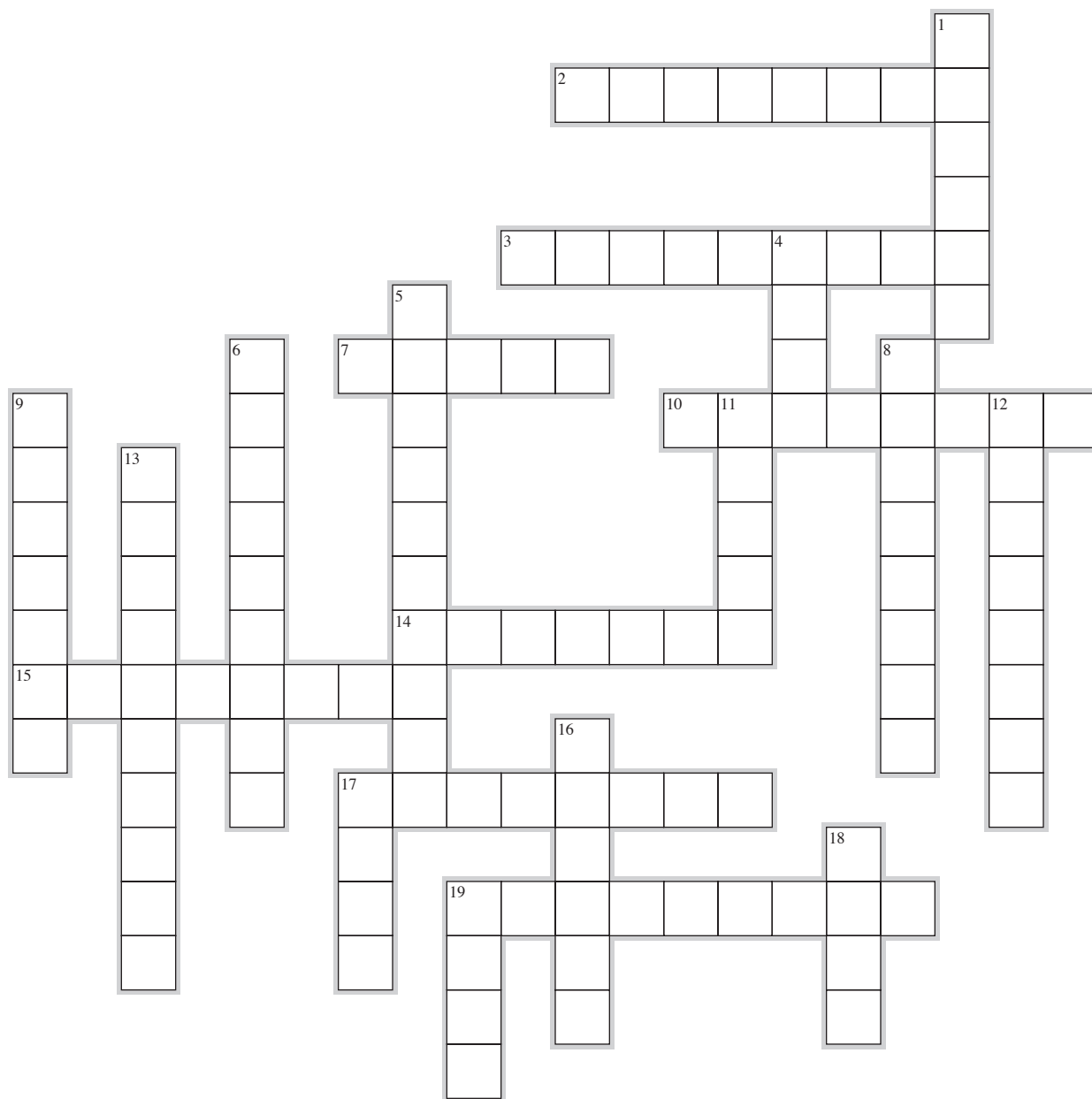
Down

2. meat from a sheep older than one year
4. skeletal muscle of animal carcasses
6. process of division for somatic cells
7. causing or transmitting infection
8. basic unit of heredity which contains the information to control traits
9. reproductive or sex cells; sperm and egg
12. slit in metal as a result from oxy-gas cutting
14. passing of characteristics from one generation to another
15. source of food for a parasite in plants and animals
16. quality standards that are established by the United States Department of Agriculture
19. goat offspring

Crossword Puzzle

ACTIVITY 3

Name _____ Date _____ Hour _____



EclipseCrossword.com

Across

2. anything relied upon to fill a need
3. plant that grows for more than two years without reproducing from seed
7. female gonad
10. any living organism that preys upon another organism for food
14. controls most cell activities; contains genetic information, the hereditary material of the cell
15. any feed constituent that functions in the support of life
17. small single-celled animals
19. harmful or poisonous substances introduced into the environment

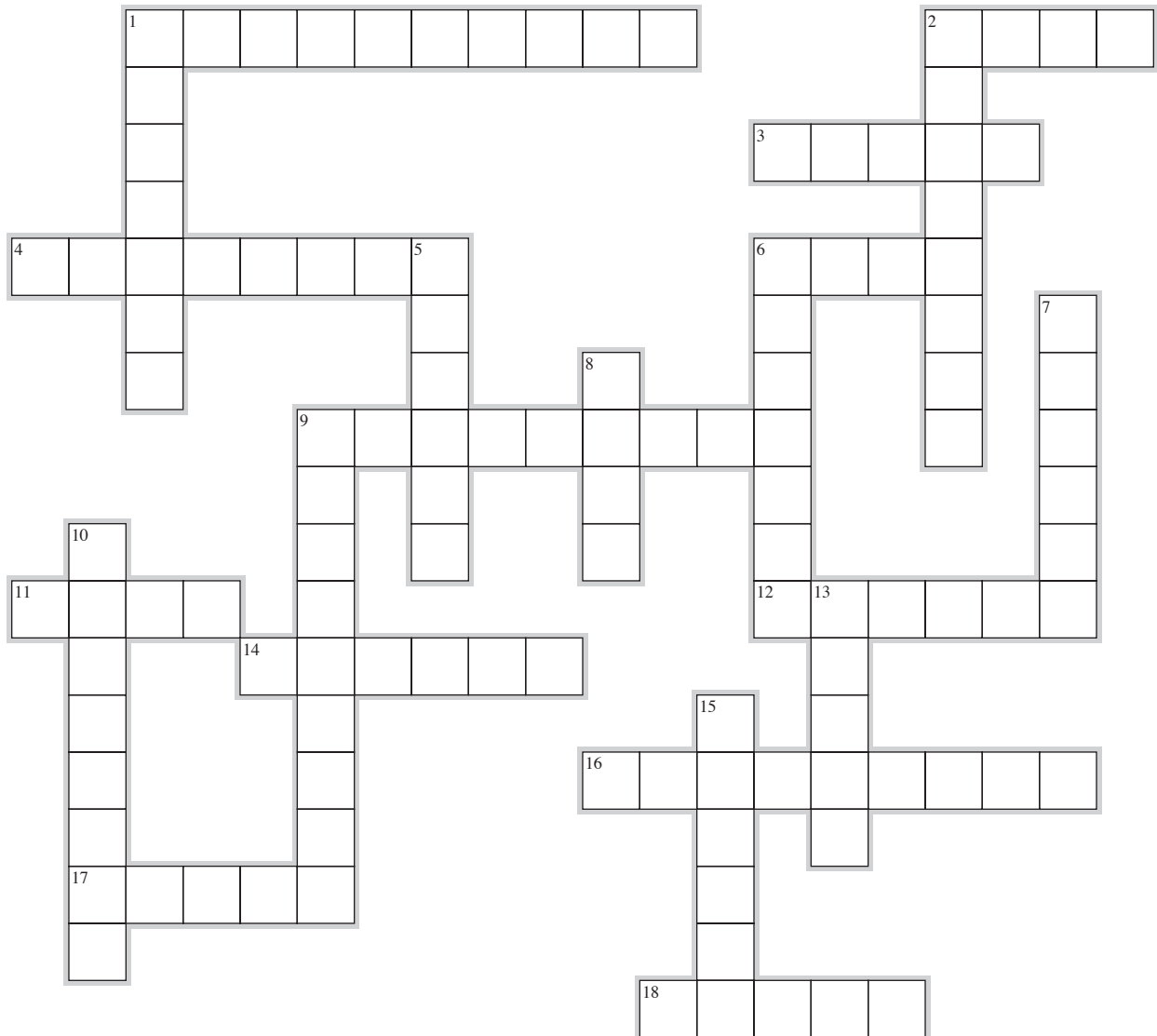
Down

1. brightly colored part of a flower that attracts insects
4. part of a plant stem where buds are located
5. remain alive in cold temperatures
6. trait that disappears when matched with a dominant trait
8. land covered with grass used for grazing livestock
9. offspring
11. portion of the tree that extends underground; supports and anchors the tree
12. arrangement in which leaves are directly across from each other
13. chemical used to control nematodes
16. male reproductive cell of the plant
17. any unwanted organism causing injury to a plant or contributing to plant loss
18. meat of pigs
19. cocoon phase of complete metamorphosis

Crossword Puzzle

ACTIVITY 4

Name _____ Date _____ Hour _____



EclipseCrossword.com

Across

1. species likely to become endangered in the foreseeable future
2. any plant growing where it should not
3. amount produced
4. diseases that can be transferred from animals to humans
6. top layer of the Earth's surface that is suitable for the growth of plant life
9. having a close, beneficial relationship
11. male parent of an animal
12. violent weather which may contain locally high winds, heavy rain, lightning, and other conditions
14. characteristics passed from parent to offspring
16. ability for seeds to germinate under optimum conditions
17. injury resulting in tissue damage
18. part of a plant's vascular tissue; moves water and mineral elements from roots to all parts of the plant

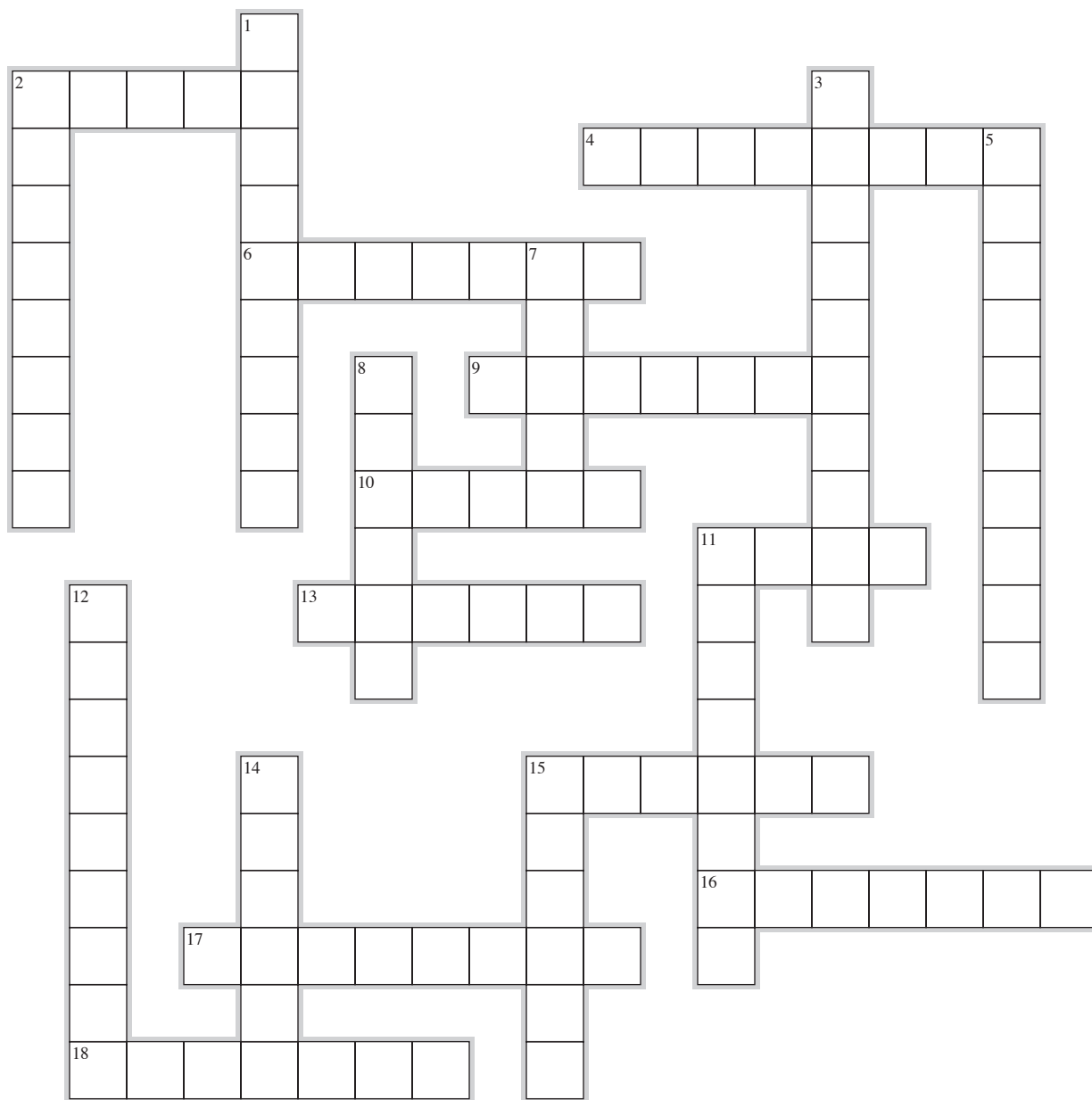
Down

1. one type of major root that is larger than the rest
2. all wild animals and birds
5. male organ of a flower that includes the anther and filament
6. most detailed level of scientific classifications; second name to identify plants in binomial nomenclature
7. small outer leaves of a flower that protect the inner structures as the flower develops
8. food source for the chick; high in fat
9. point at which all pores are completely filled with water
10. rows of hay raked to dry before baling
13. poisonous
15. condition of being protected from danger, risk or injury

All About Plants Crossword Puzzle

ACTIVITY 5

Name _____ Date _____ Hour _____



EclipseCrossword.com

Across

2. expanded, flattened portion of a leaf
4. selection of trees to be removed to allow other trees to grow faster and stronger
6. occurs when a wide variety of fungal organisms and stresses cause tree branches to die at the tips
9. provide major products such as paper and wood
10. central stem of the tree
11. outermost portion of the stem on a woody plant
13. plant that completes its lifecycle in a single growing season
15. layer of cells in a plant root that stores food
16. waxy layer protecting a plant leaf from water loss
17. new growth on a plant
18. small pores or openings in the underside epidermis of a plant leaf

Down

1. plants that lose their foliage at the end of the growing season
2. plant that completes its lifecycle in two growing seasons
3. forest level composed of smaller trees and shrubs
5. plant that produces seeds in a cone
7. upper portion of a tree that contains the branches, twigs, and foliage
8. study of plants
11. twig used as a source of buds when budding
12. outermost layer that protects the entire plant
14. part of a plant's vascular tissue, moves food manufactured in the leaves through photosynthesis to all other parts of the plant
15. forest level above the understory

Branches of Agriculture Matching

ACTIVITY 6

Name _____ Date _____ Hour _____

Student Materials

Pencil

Directions

Match each description with the correct term. Then, transfer the answer letter to the blank at the bottom to find the hidden phrase.

- | | |
|---|----------------------------------|
| 1. planning and constructing of landscapes to enhance and protect the beauty of the surrounding environment | C agriscience |
| 2. study of the cultivation, maintenance, and development of forests | R agronomy |
| 3. practice of breeding and raising livestock | E animal husbandry |
| 4. production, care, and use of flowering and foliage plants | A aquaculture |
| 5. application of agricultural principles and new technologies | C arboriculture |
| 6. planting, transplanting, fertilizing, pruning, bracing, disease control and general care of trees and shrubs | I floriculture |
| 7. science of cultivating plants for food and enjoyment; involves the study of growing fruits, nuts, vegetables and ornamental plants | R forest ecology |
| 8. growing, harvesting, storing, processing, and marketing of vegetables | H forestry |
| 9. branch of agriculture that studies field crop production and management | E horticulture |
| 10. growing and caring for animals in water | O landscaping |
| 11. study of the interaction of the parts of the forest ecosystem | C olericulture |
| 12. production, care, and growth of plants for their beauty | E ornamental horticulture |
| 13. an agricultural management concept based on geographical and agricultural data | S precision agriculture |

5 10 9 3 7 11 6 2 1 4 8 12 13

What to Weld? Matching

ACTIVITY 7

Name _____ Date _____ Hour _____

Student Materials

Pencil

Directions

Match each description with the correct term. Then, transfer the answer letter to the blank at the bottom to find the hidden phrase.

- | | |
|---|-----------------------|
| 1. single progression along the weld joint in which filler metal is deposited | A travel speed |
| 2. distance from the root of the joint to the weld toe | E weld bead |
| 3. weld deposit that results from a welding pass | L weld face |
| 4. area between the base metal and weld face | G weld leg |
| 5. area of deepest penetration and is the area where the filler metal intersects with the base metal | T weld root |
| 6. exposed surface of the weld | W weld toe |
| 7. linear rate at which the arc is moved along the weld joint | G welding pass |
| 8. metal welding rod coated with flux | D amperage |
| 9. amount of current or rate of electron flow in a welding circuit | I dross |
| 10. provides a gas shield for the molten pool during the welding process | N electrode |
| 11. metallic material waste that occurs when oxyfuel cutting that adheres to the workpiece near the cut surface | A flux |
| 12. excess residue forced out of the kerf by the force of the oxygen stream when oxy-gas cutting | E slag |

_____ _____ _____ _____ _____ _____ _____ _____ _____ _____
4 3 6 9 11 8 1 7 2 10 5 12

Food Science Matching

ACTIVITY 8

Name _____ Date _____ Hour _____

Student Materials

Pencil

Directions

Match each description with the correct term. Then, transfer the answer letter to the blank at the bottom to find the hidden phrase.

- | | |
|---|----------------------------|
| 1. Relatively large molecule that is made of carbon, hydrogen and oxygen that is important for plant structure and energy storage | C carbohydrates |
| 2. Process of food preservation that kills harmful bacteria and microbes through the use of radiation | O irradiation |
| 3. Microorganisms in food that could potentially be dangerous | G microbes |
| 4. Process of food preservation where moisture is removed | E dehydration |
| 5. Infected or unclean | O contaminated |
| 6. Product used secondary to a primary product | F by-products |
| 7. Process of heating a food product such as milk to kill bacteria | L pasteurization |
| 8. Steps involved in transforming raw ingredients into food products for consumers | T food processing |
| 9. Sells products in small quantities directly to the consumer | H retailers |
| 10. Selling products in quantity to a buyer who then resells the product | Y wholesale |
| 11. Time it takes for food poisoning to occur after eating infected food | O incubation period |
| 12. Enhancing a food product with additional vitamins or minerals | N fortified |
| 13. Increasing the value of a food due to the addition of ingredients or the processing that occurs | O value-added |
| 14. Quality standards that are established by the United States Department of Agriculture | D grades |

6 2 5 14 8 4 1 9 12 11 7 13 3 10

Agricultural Mechanics Word Search

ACTIVITY 9

Name _____ Date _____ Hour _____

Student Materials

Pencil

Directions

Fill in the blank with the correct term from the word bank. Find the word within the word search.

- | | |
|-------|---|
| _____ | 1. a metal that contains two or more materials, with one of the materials consisting of the base metal |
| _____ | 2. insulated copper, extra-flexible leads that carry the current from the power source to the electrode |
| _____ | 3. The ____ of the weld is the line through the length of a weld, perpendicular to the cross-section at its center of gravity. |
| _____ | 4. The ____ metal is the primary metal being worked on. |
| _____ | 5. machine that converts energy into mechanical force and motion |
| _____ | 6. ____ metals have an iron content. |
| _____ | 7. ____ welding is a process in which metals are bonding together by heating each piece above the melting point which will cause them to form together. |
| _____ | 8. units that measure the strength of an electrical current |
| _____ | 9. electrical discharge between two electrodes or other points |
| _____ | 10. all the events that take place in an engine |
| _____ | 11. portable or power tool with a rigid wheel, safety shield, pedestal, double-shafted motor and switch |

- _____ 12. path for electrical current to flow
- _____ 13. process of cutting an angle into the end of a workpiece
- _____ 14. burning of oxygen with a gaseous fuel
- _____ 15. sharp particles left behind after sharpening or filing a hand tool
- _____ 16. thickness of wire
- _____ 17. location where the metal is joined together
- _____ 18. occurs when travel speed during oxyfuel cutting is increased but the oxygen stream lags at the bottom of the cut
- _____ 19. fourth state of matter; created when air or gas is heated and compressed through a channel or hole
- _____ 20. A ____ circuit it a circuit that provides only one path for current flow.

Word Bank

alloy
amperes
arc
axis
base

beveling
burrs
cables
circuit
cycle

drag
engine
ferrous
fusion
gauge

grinder
joint
oxyfuel
plasma
series

C T D S U F Y C Y C L E D Y V G T J F T D S
D A G J U L O I Q L X C Z P A D B O F B R U
X O B S M H L O H Q C O D O Y F X I H A R O
Q T I L Y T L P A S U S G N J C D N S G Y R
I O I N E C A Z E S A B U R R R G T Z U Y R
N T V U K S T Q M S A J E J Q A J K L X I E
G N H C C Y I B I X W D C P N M W U Y X E F
D A P N S R E C I V N A M S A L P D N Q N W
S Y U R N V I S Q I Z M K Q I X B Z M Z G O
O E R G E T G C R O L U N S E R E P M A I Z
Z U I L E E N G O X Y F U E L T I M A E N R
B S I R T D L N D W D G U G R S U P G F E W
W N Z N E Q U Q L J E E F L A H X S S G B S
G Y G B P S P N V Y X A Q Y Y R V O J L N F
L H W O K S W A Y M U Z B I U I D D Z O K H

Natural Resources Word Search

ACTIVITY 10

Name _____ Date _____ Hour _____

Student Materials

Pencil

Directions

Fill in the blank with the correct term from the word bank. Find the word within the word search.

- | | |
|-------|---|
| _____ | 1. freshwater wetlands that are found in colder regions |
| _____ | 2. areas that receive little precipitation |
| _____ | 3. removal of the top layers of soil by physical means such as wind or water |
| _____ | 4. movement from one location to another |
| _____ | 5. living components of an ecosystem including humans, plants, animals, fungi, and bacteria |
| _____ | 6. _____ species are plant species that are not native and tend to out-compete native species for resources. |
| _____ | 7. marshes that consist of small basins that provide a collection point for rainfall and runoff |
| _____ | 8. area where two or more distinct habitats intersect |
| _____ | 9. dead or dying standing trees |
| _____ | 10. land areas saturated by water, either permanently or seasonally, which provide a habitat for diverse species |
| _____ | 11. natural water sources in which fresh water flows to the surface from the ground and forms small bodies of water |

- _____ 12. larger waterways that empty into bodies of water such as lakes and oceans
- _____ 13. wetlands that are dominated by woody plants such as trees and shrubs
- _____ 14. The water _____ cycle refers to the movement of water on the planet.
- _____ 15. _____ sprawl refers to the development of towns and cities past their initial boundaries.
- _____ 16. River _____ is a term used to refer to large watersheds.
- _____ 17. Riparian _____ are areas next to water resources that consist of vegetation and help protect from pollution and erosion.
- _____ 18. clear, colorless, tasteless, nearly odorless liquid, and has a chemical makeup of two parts hydrogen to one part oxygen
- _____ 19. The water _____ is the area underground that is saturated with water.
- _____ 20. Trees that have developed over many years in a specific area or ecosystem are _____ trees.

Word Bank

basins
biotic
bogs
buffers
cycle

deserts
edge
erosion
invasive
migration

native
playas
rivers
seeps
snags

swamps
table
urban
water
wetlands

S R X H R F B S A B L U X B X E S S S L U S
E A E D V W A D C W W Y I P L P R S E A W Y
L V Y T I N S N N M G O X G M N R O Q E Q Q
S B I A A K I A K N T D A A Y E S G S R P F
G L Q S L W N L G I S U W D F R Y K O I X S
O X X F A P S T C U N S E F L R E Y V T O T
B P Y C H V H E G M A Q U D E S E R T S A N
Z B N F I C N W N H G B I X B B S C Q B Z A
X Z O P N K U I V O S N B M J V R C L O Z U
A E V I T A N P M U X S J U D N E E M Y O R
V P O F N O I T A R G I M D L H V M Z Z O H
N A B R U Y G O C I T B S Q T S I C Y C L E
A X N X E P G K U P X R Q M L D R K W F G X
V N V S Y B X V T I K T Z Y A R D A Z D H A
H V F B C V C G H F K H R A H T E C E R W B

Agribusiness Word Search

ACTIVITY 11

Name _____ Date _____ Hour _____

Student Materials

Pencil

Directions

Fill in the blank with the correct term from the word bank. Find the word within the word search.

- | | |
|-------|--|
| _____ | 1. list of the items or assets a business owns |
| _____ | 2. net worth |
| _____ | 3. A ____ market is a focused portion of the market that is not being met by mainstream providers. |
| _____ | 4. A ____ tax is a tax on items sold, such as cloth and food. |
| _____ | 5. product sent to another country from the United States |
| _____ | 6. type of investment in which a person has ownership of a small part of a company |
| _____ | 7. items or inventory purchased or sold within one year's time |
| _____ | 8. amount of money owed on an asset or investment |
| _____ | 9. transaction where money is gained |
| _____ | 10. actual amount borrowed on a loan |
| _____ | 11. amount of money paid out of profits that is divided among shareholders or creditors |
| _____ | 12. possessions; items of value that a business owns |
| _____ | 13. product brought into the United States from another country |

- _____ 14. transactions where money is spent
- _____ 15. agreement for a lender to provide money in exchange for future payments with interest
- _____ 16. investments in a company or government
- _____ 17. plan that helps track income and expenses
- _____ 18. A chattel _____ is a loan secured by moveable personal property rather than by land or permanent fixtures.

Word Bank

assets
bonds
budget
credit
current

debt
dividend
equity
expenses
export

import
income
inventory
mortgage
niche

principal
sales
stocks

G H H F A L S E S D S T C K I G F I E I X N
Y F K W M D X Y I T H N E R Z Y L D Q Q D P
P B M W N P Z V E K W E K M E P K E U Q H V
L R U O O Q I S B Y D R I B O D B B I O A N
I F B R O D S S E V Q R G R F C I T T V C B
F N T I E A L K W G M U T P H E N T Y H N F
F O V N L G Y C K P A C N I C H E I J N P J
S W D E D Q T O K R U G X S S N Z W H V E Y
J A B L N P C T V I Q W T W Y C K B N G F S
H X L U Y T C S E N B D V R H Z R L F I T H
Q J Q E R K O J Z C V V X K O T O M O S P S
C V O H S D S R E I P W V C I M N P V L L A
S E S N E P X E Y P B B U D G E T M N P E V
T J Z P F C U L D A B P W T R O P M I L V S
P D E L J L Q A U L V Z D P I Y D C I M B X

Land Management Double Puzzle

ACTIVITY 12

Name _____ Date _____ Hour _____

Student Materials

Pencil

Directions

Unscramble each word and then define the term on the line provided.

Transfer the letter for each numbered box at the bottom to solve the last term.

1. TAAD _____

--	--	--	--

21

2. DEARNGIA _____

--	--	--	--	--	--	--	--

10 16 17

3. YOSESCENT _____

--	--	--	--	--	--	--	--	--

8 23

4. RYSETUA _____

--	--	--	--	--	--	--

9

5. NBLEGREET _____

--	--	--	--	--	--	--	--	--

1 14

6. PAM _____

	5	7

7. NAEMIPRELT _____

	2			12					

8. GYOPORHATP _____

	13		3						19

9. LIOSOTP _____

		18		15	6	

10. SEDHERTAW _____

	11	22		20				

11. KAWNISBEDR _____

				4					

1	2	3	4	5	6

7	8	9	10	11	12	13	14	15	16	17

18	19	20	21	22	23

Outdoors Double Puzzle

ACTIVITY 13

Name _____ Date _____ Hour _____

Student Materials

Pencil

Directions

Unscramble each word and then define the term on the line provided.

Transfer the letter for each numbered box at the bottom to solve the last term.

1. NIBGIRD _____

4 2

2. MINGACP _____

1 11

3. NIHKGI _____

9

4. TUGNHIN _____

7 5

5. SERREALIT _____

3

6. XYITEARMD _____

--	--	--	--	--	--	--	--	--

8

7. RASLELHEOWS _____

--	--	--	--	--	--	--	--	--	--	--

6

10

--	--	--	--	--	--	--	--	--	--	--

1

2

3

4

5

6

7

8

9

10

11

Poultry Double Puzzle

ACTIVITY 14

Name _____ Date _____ Hour _____

Student Materials

Pencil

Directions

Unscramble each word and then define the term on the line provided.

Transfer the letter for each numbered box at the bottom to solve the last term.

1. LOEBIRR _____

--	--	--	--	--	--	--

3

2. NODRGBOI _____

--	--	--	--	--	--	--	--

3. NACPO _____

--	--	--	--	--

1

4. CALEAZAH _____

--	--	--	--	--	--	--	--

2

5. KIHCC _____

--	--	--	--	--

4

6. CCOK _____

--	--	--	--

5

7. GAINKBEEED _____

--	--	--	--	--	--	--	--	--

6

8. NHE _____

--	--	--

7

							S
1	2	3	4	5	6	7	

Communications Double Puzzle

ACTIVITY 15

Name _____ Date _____ Hour _____

Student Materials

Pencil

Directions

Unscramble each word and then define the term on the line provided.

Transfer the letter for each numbered box at the bottom to solve the last term.

1. HTGOPPOYARH _____

--	--	--	--	--	--	--	--	--	--	--	--

6

2. HGILBOYRIBPA _____

--	--	--	--	--	--	--	--	--	--	--	--

7

3. POSIICONMOT _____

--	--	--	--	--	--	--	--	--	--	--	--

17 12 15

4. ADLIGTI MOZO _____

--	--	--	--	--	--	--	--

8 9

--	--	--	--

13

5. PEEREATONSOU MX _____

--	--	--	--	--	--	--	--	--	--	--	--	--

5 14

6. NACONTICMIUMO _____

--	--	--	--	--	--	--	--	--	--	--	--	--

22 20 1

7. ROUCIOTNDTNI _____

--	--	--	--	--	--	--	--	--	--	--	--

3

8. NOYHSMMO _____

--	--	--	--	--	--	--	--

11

9. REINTTW TANCOITI _____

--	--	--	--	--	--	--

--	--	--	--	--	--	--	--

10

10. VICEO REOV _____

--	--	--	--	--

--	--	--	--

2

11. VELBAR COUNICMAOMITN _____

--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--

4 18 21

12. HOPOT REDCIT _____

--	--	--	--	--

--	--	--	--	--	--

16 19

--	--	--

1 2 3

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4 5 6 7 8 9

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10 11 12 13 14 15 16 17 18 19 20 21 22

WHY DID THE COW CROSS THE ROAD? Double Puzzle

ACTIVITY 16

Name _____ Date _____ Hour _____

Student Materials

Pencil

Directions

Unscramble each word and then define the term on the line provided.

Transfer the letter for each numbered box at the bottom to solve the last term.

1. LFCA _____

--	--	--	--

2. BALM _____

--	--	--	--

3. IDKS _____

--	--	--	--

12

4. AOFL _____

--	--	--	--

5. SEETR _____

--	--	--	--	--

8 4

6. ROAWBR _____

--	--	--	--	--	--

2

7. REEHWT _____

--	--	--	--	--	--

19 5

8. NEDGILG _____

--	--	--	--	--	--	--

18 3

9. FIRHEE _____

--	--	--	--	--	--

9

10. TIGL _____

--	--	--	--

6

11. LYFLI _____

--	--	--	--	--

17

12. CWO _____

--	--	--

7

13. OSW _____

--	--	--

16

14. WEE _____

--	--	--

10

15. EDO _____

--	--	--

13

16. RAEM _____

--	--	--	--

14

17. LBLU _____

--	--	--	--

11

18. BAOR _____

--	--	--	--

15

19. MAR _____

--	--	--

20. TINLOLSA _____

--	--	--	--	--	--	--	--

1

--	--

1 2

--	--	--

3 4 5

--	--

6 7

--	--	--

8 9 10

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11 12 13 14 15

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16 17 18 19

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Livestock Terms Q&A

ACTIVITY 17

Name _____ Date _____ Hour _____

Student Materials

Pencil

Directions

Complete the questions below on livestock terms.

1. A livestock producer purchased several young immature females that have not given birth. What is the term for what the producer purchased?
2. A producer is getting rid of some of a herd of cattle. What is the producer doing?
3. A producer had a large number of cattle on some land and the land is unable to regrow enough forage for the cattle. What happened?
4. A producer is making permanent marks to the animal's hide for identification. What is the producer doing?
5. A producer is breeding together two different breeds of animal within a species. What is the term for this?
6. What is the term for the process of harvesting animals for meat?

7. A producer is removing young calves from their mothers. What is the term for what the producer is doing?
8. What is the term for a young beef animal?
9. What is the term for the amount of internal fat in meat?
10. A producer chose Angus cattle because of its characteristics. What is a group of animals that through selection and breeding share the same characteristics?
11. What is the amount of time from conception to birth?
12. A producer has several areas of land covered with grass for grazing livestock. What is the term for this land?
13. What is the general Latin term relating to cattle?
14. What is the term for a cow approximately two months before calving that has stopped producing milk in preparation for birth?
15. A producer is removing the male testicles of cattle. What is the term for this?

Agricultural Mechanics Q&A

ACTIVITY 18

Name _____ Date _____ Hour _____

Student Materials

Pencil

Directions

Complete the questions below on agricultural mechanics terms.

1. Josh was working in the school shop and suddenly hurt himself. What is this unintentional harm also called? _____
2. What is the term for the point at which a material will burst into flames? _____
3. Wood and paper can easily to ignite and burn quickly. What is another term for this? _____
4. If something is capable of being ignited and is fast burning with a flash point below 100°F, it is also known as what? _____
5. What is a situation that poses a level of threat to life, health property or environment? _____
6. You should never look at the bright light produced by welding. What is this also known as? _____
7. What is the layer created when welding partially caused by impurities being drawn to the top of the weld? _____
8. What is the term for a flame that burns back into the body of an oxy-gas torch? _____

9. When oxy-gas cutting, there is a slit left in the metal. What is the term for this slit?
10. What is the term for the combination of oxygen and iron in ferrous metals?
11. Lia experienced a momentary burn back into the tip when oxy-gas cutting along with a loud pop. What is this called?
12. One method of striking an arc works by touching the electrode to the base metal and quickly raising it. What is this method called?

Plant and Soil Q&A

ACTIVITY 19

Name _____ Date _____ Hour _____

Student Materials

Pencil

Directions

Complete the questions below on plant and soil terms.

1. What type of soil has approximately equal parts of sand, silt and clay? _____
2. Jane is wanting plants for her garden that grown for more than two years without reproducing from seed. Which type of plants should Jane use? _____
3. Plants have the ability to produce their own food with the use of sunlight, water and carbon dioxide. What is the name of this process? _____
4. What is a plant that completes its lifecycle in two growing seasons? _____
5. Many tree leaves change colors and fall to the ground during autumn. What is the term for a plant that loses its foliage at the end of the growing season? _____
6. What are the inorganic materials in the soil that usually contain different elements as soil nutrients? _____
7. What is a plant that keeps its green foliage year round? _____

8. Decaying material from living organisms such as plants, worms, insects and animals can be beneficial for the soil. What is the term for this decaying material?
9. Just like humans, plants go through a process where oxygen is used to break down nutrients and carbon dioxide is released. What is the term for this process?
10. Many bedding plants complete their lifecycle in a single growing season. What type of plants are these?
11. What is the technical term for "plant sweating"?
12. Soil formation is greatly affected by weather or environmental conditions of an area such as temperature and moisture. What is this also known as?
13. What is the original matter from which soil particles are formed?
14. Plant leaves are often green due to what green pigment?
