

## Activity 2.1

Name \_\_\_\_\_ Date \_\_\_\_\_ Hour \_\_\_\_\_

# Unit Word Search

### Student Materials

Pencil

### Directions

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

- \_\_\_\_\_ 1. Term for a decline in value over time
- \_\_\_\_\_ 2. What is a list of the items or assets a business owns?
- \_\_\_\_\_ 3. Possession; item of value that a business owns
- \_\_\_\_\_ 4. All asset costs including the initial investment plus other expenses on the asset is called productively \_\_\_\_\_.
- \_\_\_\_\_ 5. What are items or inventory purchased or sold outside a one-year time period?
- \_\_\_\_\_ 6. One part of a total SAE program
- \_\_\_\_\_ 7. What are items or inventory purchased or sold within a year's time?
- \_\_\_\_\_ 8. What is the exchange of money for the purchase or sale of assets or supplies?
- \_\_\_\_\_ 9. Type of SAE that allows a student to own his or her own business
- \_\_\_\_\_ 10. The amount of money owed on an asset or investment is called \_\_\_\_\_.
- \_\_\_\_\_ 11. Transactions where money is spent
- \_\_\_\_\_ 12. Another term for capital
- \_\_\_\_\_ 13. A degree that can be earned by the youngest members of the FFA based on their SAE is the \_\_\_\_\_ degree.
- \_\_\_\_\_ 14. Type of SAE that allows a student to explore opportunities in the agriculture industry

- \_\_\_\_\_ 15. Another term for current
- \_\_\_\_\_ 16. A transaction where money is gained is called \_\_\_\_\_ .
- \_\_\_\_\_ 17. Working for someone for pay or experience is a \_\_\_\_\_ SAE.
- \_\_\_\_\_ 18. Money, goods or services for which you owe is called a \_\_\_\_\_ .
- \_\_\_\_\_ 19. This type of SAE is designed to expose students to the scientific side of agriculture.
- \_\_\_\_\_ 20. What is an award that can be earned based on a student's SAE?

# Word Bank

asset  
balance  
beginning  
capital  
current  
debt  
depreciate

ending  
enterprise  
entrepreneurship  
expenses  
exploratory  
income  
inventory

liability  
noncurrent  
operating  
placement  
research  
transaction

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

## Activity 2.2

Name \_\_\_\_\_ Date \_\_\_\_\_ Hour \_\_\_\_\_

# What is an SAE?

### Student Materials

Pencil

### Directions

Match the SAE experience with the type by writing the correct term on the line.

**Exploratory    Research    Entrepreneurship    Placement    School-Based    Service Learning**

- \_\_\_\_\_ 1. Build and sell lawn ornaments
- \_\_\_\_\_ 2. Operate a lawn mowing business
- \_\_\_\_\_ 3. Operate a garden on the school grounds
- \_\_\_\_\_ 4. Work as a diesel mechanic assistant
- \_\_\_\_\_ 5. Test the strengths of different types of welds
- \_\_\_\_\_ 6. Conduct a field demonstration on GPS systems for elementary students
- \_\_\_\_\_ 7. Conduct a local water quality study
- \_\_\_\_\_ 8. Research the rate of accidents on area farms and compare to national averages
- \_\_\_\_\_ 9. Develop a plan to manage school food waste
- \_\_\_\_\_ 10. Conduct a project to benefit a local non-profit organization
- \_\_\_\_\_ 11. Provide horse training services
- \_\_\_\_\_ 12. Operate a kennel cleaning service
- \_\_\_\_\_ 13. Work for the state game and fish department
- \_\_\_\_\_ 14. Work as a veterinarian assistant
- \_\_\_\_\_ 15. Research methods of predator control and trapping

- \_\_\_\_\_ 16. Shadow at a local animal shelter
- \_\_\_\_\_ 17. Contract with landowners to plant food plots for wildlife
- \_\_\_\_\_ 18. Work for an orchard manager in cleaning and pruning
- \_\_\_\_\_ 19. Study the effects of excessive lawn chemicals on wildlife
- \_\_\_\_\_ 20. Develop and manage a food drive for a local charity
- \_\_\_\_\_ 21. Sell gourmet popcorn products
- \_\_\_\_\_ 22. Interview three companies that process or package food products
- \_\_\_\_\_ 23. Grow flowers for sale at a local farmer's market
- \_\_\_\_\_ 24. Work at the grain elevator during the summer
- \_\_\_\_\_ 25. Create metal projects in the school shop for sale
- \_\_\_\_\_ 26. Test organic versus inorganic fertilizers on plant development
- \_\_\_\_\_ 27. Volunteer to work with landowners to improve their forest lots
- \_\_\_\_\_ 28. Operate a hay hauling service
- \_\_\_\_\_ 29. Volunteer to do a website or brochure for a local agriculture business

## Activity 2.3

Name \_\_\_\_\_ Date \_\_\_\_\_ Hour \_\_\_\_\_

# Current or Non-Current

### Student Materials

Pencil

### Directions

Label the following inventory items as either current (operating) or non-current (capital) assets.

### (C) Current (Operating)

- \_\_\_\_\_ 1. Crossbred barrow
- \_\_\_\_\_ 2. Stocker calves
- \_\_\_\_\_ 3. Bred Duroc gilt
- \_\_\_\_\_ 4. Angus steer
- \_\_\_\_\_ 5. 4020 John Deer tractor
- \_\_\_\_\_ 6. 20' trailer
- \_\_\_\_\_ 7. 20 bales of grass hay
- \_\_\_\_\_ 8. Simmental show heifer

### (NC) Non-Current (Capital)

- \_\_\_\_\_ 9. Hog panels
- \_\_\_\_\_ 10. York gilt
- \_\_\_\_\_ 11. 15 acres of growing wheat
- \_\_\_\_\_ 12. Two-year-old Suffolk ewe
- \_\_\_\_\_ 13. 5 Maine cows
- \_\_\_\_\_ 14. Raised bred heifers
- \_\_\_\_\_ 15. Swine self-feeders
- \_\_\_\_\_ 16. Dorset wether

### Directions

Calculate the following inventory items so they can be entered in the record keeping system. Be sure to use the correct unit of valuation.

- \_\_\_\_\_ 17. 20 stocker calves weighing 415 pounds, each worth \$1.05 per pound
- \_\_\_\_\_ 18. 15 pairs of Maine/Angus cross cows at \$850 per pair
- \_\_\_\_\_ 19. 5 cross show barrows weighing 250 pounds each at \$.45 per pound
- \_\_\_\_\_ 20. 80 tons of alfalfa hay at \$120 per ton

- \_\_\_\_\_ 21. 15 acres of growing wheat with expenses to date of 20 bushels of seed wheat at \$4.50 per bushel, \$275 in fertilizer, \$100 in equipment rental
- \_\_\_\_\_ 22. 475 bushels of wheat at \$3.75 per bushel
- \_\_\_\_\_ 23. 500 pounds of feed purchased at \$150 per ton
- \_\_\_\_\_ 24. 5 hog panels at \$15 each
- \_\_\_\_\_ 25. York gilt at a pig sale for \$175
- \_\_\_\_\_ 26. 20 bales of Bermuda grass hay at \$35 per bale

## Activity 2.4

Name \_\_\_\_\_ Date \_\_\_\_\_ Hour \_\_\_\_\_

# Calculating Depreciation

### Student Materials

Pencil

Calculator

### Directions

Calculate each depreciation amount according to the situations presented. Show your work in the space provided.

#### Situation 1 - Purchased chicken coop for egg business SAE

A prefabricated chicken coop is purchased for \$1,200, has a useful life of 8 years, and has a salvage value of \$700. Calculate annual depreciation and book value at the end of year 3.

#### Situation 2 - Horse trailer purchased for livestock SAE

A two-horse trailer is purchased for \$8,000, has a useful life of 6 years, and has a salvage value of \$6,000. Calculate the annual depreciation and book value at the end of year 2.

#### Situation 3 - Welder for TIG welding work for business SAE

A welder is purchased for \$2,500, has a useful life of 5 years, and can be sold for \$2,000. Calculate annual depreciation and book value at the end of year 3.



**Situation 4 - Purchase a lawnmower for a landscaping SAE**

A riding lawnmower is purchased for \$1,100, has a useful life of 10 years, and can be sold for \$700. Calculate annual depreciation and book value at the end of year 7.

**Situation 5 - Building a pasture fence for livestock SAE**

The material for a wood fence is purchased for a total of \$1,700, has a useful life of 8 years, and can be broken down and salvaged for \$900. Calculate annual depreciation and book value at the end of year 4.

**Situation 6 - Purchase of a tractor for field maintenance SAE**

A used 105 HP tractor is purchased for \$20,500, has a salvage value of \$10,900, and has a useful life of twenty five years. Calculate annual depreciation and book value at the end of year 2.

**Situation 7 - Chainsaw purchased for firewood SAE**

A chainsaw is purchased for \$750, has a useful life of 10 years, and has a salvage value of \$250. Calculate annual depreciation and book value at the end of year 6.

**Situation 8 - Building a greenhouse for a gardening SAE**

All materials for the greenhouse are purchased for \$1,500, have a useful life of 15 years, and can be broken down and salvaged for \$900. Calculate annual depreciation and book value at the end of year 10.

**Situation 9 - Purchased computer for digitizing records SAE**

A computer is purchased for \$750, has a useful life of 5 years, and has a salvage value of \$250. Calculate annual depreciation and book value at the end of year 2.

**Situation 10 - Purchased animal traps for population survey SAE**

Nonlethal animal traps are purchased for \$900, have a useful life of 8 years, and have a salvage value of \$550. Calculate annual depreciation and book value at the end of year 5.

## Activity 2.5

Name \_\_\_\_\_ Date \_\_\_\_\_ Hour \_\_\_\_\_

# Expense Categorization

### Student Materials

Pencil

### Directions

Expenses are the cost or cash outlay to the SAE program and are categorized according to the enterprise. Label the following expenses with the category that best describes the type of expense.

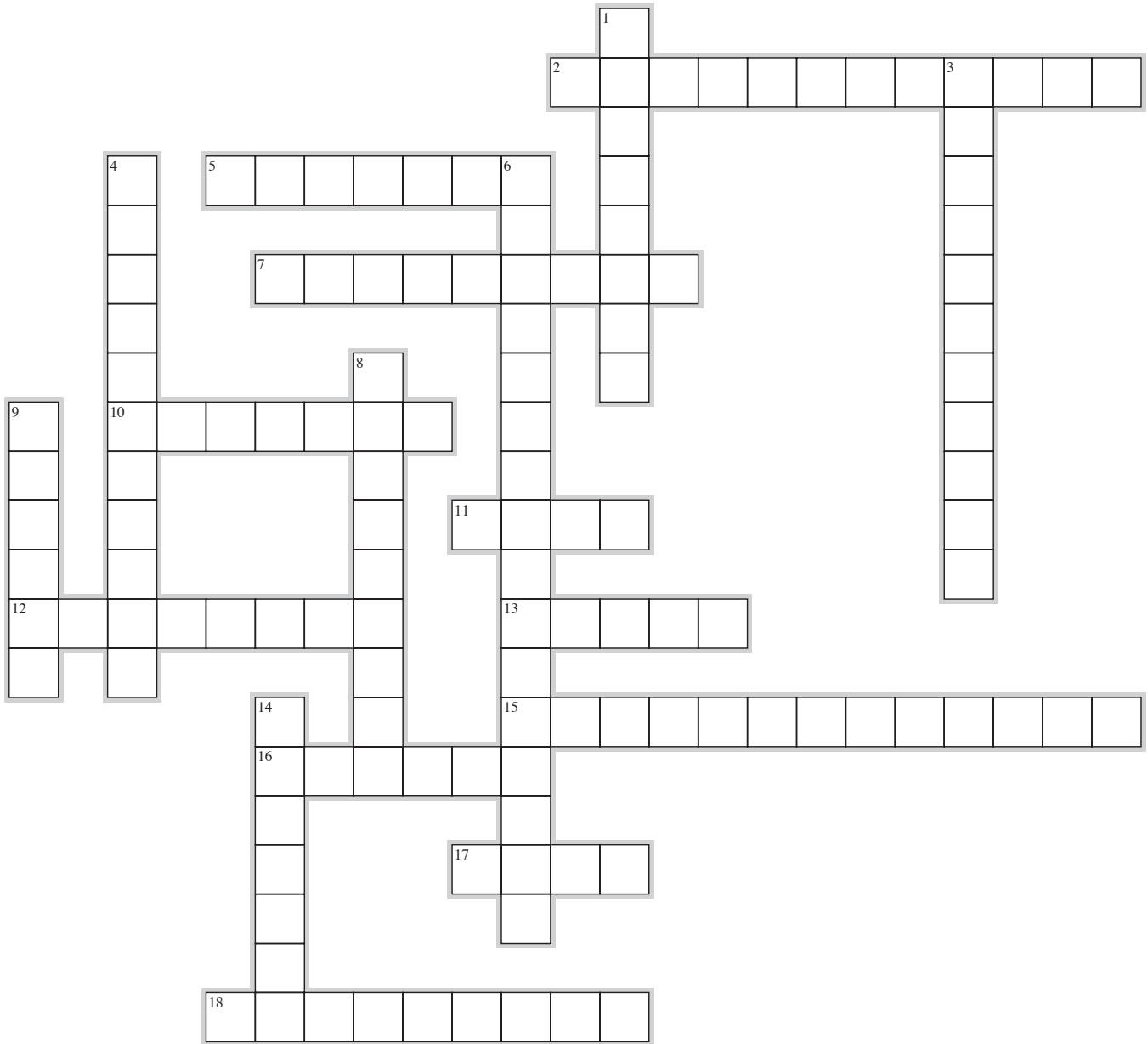
- A. Current/Operating Inventory Purchased
- B. Cash Current/Operating Expenses – Feed
- C. Non-Cash Current/Operating Expenses – Feed
- D. Cash Current/Operating Expense – Other
- E. Non-Cash Current/Operating Expense – Other
- F. Non-Current/Capital Transactions

- |       |   |       |   |
|-------|---|-------|---|
| _____ | 1. 1 – Cross barrow @ \$100                               | _____ | 11. 500 ml of Ivomec (\$36 to swine and \$120 to beef)                |
| _____ | 2. 2 – York gilt @ \$150                                  | _____ | 12. 7 cross steers @ \$86/cwt – 415 lb. calves                        |
| _____ | 3. 1 – Hamp barrow @ \$252                                | _____ | 13. 700 lb. of co-op pig feed @ \$81                                  |
| _____ | 4. Pig feed account at the co-op – \$65                   | _____ | 14. Hay for cows received in exchange for building fence for neighbor |
| _____ | 5. Equipment expense to plant wheat –\$210                | _____ | 15. Hale trailer (\$400 to swine and \$400 to beef)                   |
| _____ | 6. 500 lbs. of pig feed in exchange for summer job        | _____ | 16. 6 bred Maine-Anjou cows with calves – \$850/pair                  |
| _____ | 7. Fertilizer (16-26-0) – \$270                           | _____ | 17. 25 Bermuda grass bales – \$875                                    |
| _____ | 8. Paul Scales @ \$450                                    | _____ | 18. Foundation seed wheat – \$880                                     |
| _____ | 9. 35 bales of straw @ \$105                              |       |   |
| _____ | 10. Vet bill paid by parents in exchange for summer labor |       |   |

**Activity  
2.6**

Name \_\_\_\_\_ Date \_\_\_\_\_ Hour \_\_\_\_\_

# Unit Review Crossword



EclipseCrossword.com

### Across

2. Decline in value over time
5. Sheet that shows an owner's equity
7. List of what a business owns
10. Operating
11. Amount of money owed on an asset or investment
12. Type of labor transaction used with a parent's assets cannot be separated from a student's
13. \_\_\_ student should have an SAE.
15. Important for managing an SAE; documentation
16. Possessions
17. Each type of SAE requires a different \_\_\_ commitment.
18. SAE that involves working for someone else

### Down

1. Scientific side of SAEs
3. Exchange of money
4. Entrepreneurship and placement SAEs are eligible for this type of award
6. Owning a business
8. Determining your \_\_\_ will help you choose an SAE.
9. Outline of possible expenses and income for an SAE project
14. Non-current