

Begin the first round by asking each participant to check their buzzer to ensure they are all working correctly. Then ask the following sample questions so players can get used to the style of the round.

## **SAMPLE QUESTIONS:**

- 1. Costs that remain the same throughout production are referred to as what?**

*A: Fixed costs*

- 2. What does "NAFTA" stand for?**

*A: North American Free Trade Agreement*

## ROUND ONE:

### TOSS UP QUESTIONS ROUND 1 (10 POINTS EACH):

1. What financial statement measures the profit of a business?

*A: Income Statement*

2. Which method of slaughter, meat processing and handling follow Jewish dietary laws?

*A: Kosher*

3. What sugar crop is the primary source of sweetener for soft drinks?

*A: corn*

4. At what voltage can you be injured by an electric shock?

*A: 50 volts or less*

5. The value of all goods and services produced in an economy in a specific year is called what?

*A: Gross Domestic Product (GDP)*

6. What is known as the universal solvent?

*A: water*

7. Milk fever is caused by a lack of what nutrient in the blood?

*A: calcium*

8. The American Farm Bureau Federation and National Farmers Union joined to create a campaign called Farm Town Strong to fight what addiction?

*A: opioid addiction*

9. A normal percent of oil extracted from soybeans is what?

*A: 20%*

10. There are three methods of heat transfer. Name one of those three.

*A: conduction, convection, and radiation*

**11. What occurs when air pollutants adhere to precipitation and fall to the earth?**

*A: acid rain*

**12. What is the name of the mechanism by which chemical energy is converted from one form to a more usable form, with the release of heat?**

*A: cellular respiration*

**13. Name one of the seven guided principles that Farm Bureau was established on.**

*A: Family Membership, General Organization, Farmers' and Ranchers' Organization, Non-Partisan, Decentralized, Voluntary Membership, Program Organization*

**14. What do the letters HACCP represent?**

*A: Hazard Analysis Critical Control Point*

**15. Fats are broken down in which part of the digestive system?**

*A: Small Intestine*

**16. A general increase in price levels over time is called what?**

*A: inflation*

**17. What is the energy source produced from turbines powered by steam from volcanically active areas?**

*A: geothermal*

**18. Acetylene is a compound of what two elements?**

*A: Hydrogen and Carbon*

**19. The stoma is opened and closed by what cells?**

*A: guard cells*

**20. What type of physical identification is used on individual hogs by most purebred swine associations?**

*A: ear notches*

**TIE BREAKER QUESTIONS ROUND 1 (10 POINTS EACH):**

1. **When imports into a country exceed the value of the exports of a country, they are said to have what?**

*A: trade deficit*

2. **What engine component transfers motion from the piston to the crankshaft?**

*A: connecting rod*

## ROUND TWO:

### TOSS UP QUESTIONS ROUND 2 (10 POINTS EACH):

1. **What is the name of the process for cell division in which cells produced contain half the parental number of chromosomes?**

*A: meiosis*

2. **Most ink is processed from what crop?**

*A: soybean*

3. **When working in and around grain handling areas what piece of personal protective equipment should be worn to prevent dust inhalation?**

*A: respirator*

4. **Additional units of an input may not always be profitable. What economic concept illustrates this point?**

*A: diminishing returns*

5. **How many people sit on the board of directors for the American Farm Bureau Federation?**

*A: 34*

6. **What sphere contains all of the plant and animal life on earth's surface?**

*A: biosphere*

7. **Which term defines the physical property of metal which allows it to resist penetration?**

*A: hardness*

8. **What is a government guaranteed minimum price for a good or commodity?**

*A: price floor*

9. **What is the natural method of pollination for wheat and soybeans?**

*A: self-pollinated*

10. **At what location do you measure fat depth on a pork carcass?**

*A: Between the 10th and 11th rib*

**11. Which governmental agency enforces and has authority to confiscate food items that exceed pesticide levels?**

*A: FDA Food and Drug Administration*

**12. Sugar translocation in plants occurs where?**

*A: phloem*

**13. What tool can be used to balance a feed ration without the use of computers?**

*A: Pearson Square*

**14. What does "WOTUS" stand for?**

*A: Waters of the United States*

**15. In an ecosystem one of the components that produces new food by means of photosynthesis is known as what?**

*A: producers*

**16. In a market-oriented exchange system, such as that in the U.S., what is the catalyst for change?**

*A: Price*

**17. Which soil texture particle has the greatest influence on the soil's ability to hold nutrients?**

*A: clay*

**18. How many classes of fire are there?**

*A: 5*

**19. Piston rings of a small engine are considered to be a part of what system?**

*A: compression*

**20. Name the medical condition that primarily affects younger pigs and is caused by a lack of Iron in the diet.**

*A: anemia*

**TIE BREAKER QUESTIONS ROUND 2 (10 POINTS EACH):**

1. **Vitamins are classified as fat or water soluble. Name one of the four fat soluble vitamins.**

*A: A, D, E, K*

2. **Acetylene hoses are usually indicated by what color?**

*A: red*