

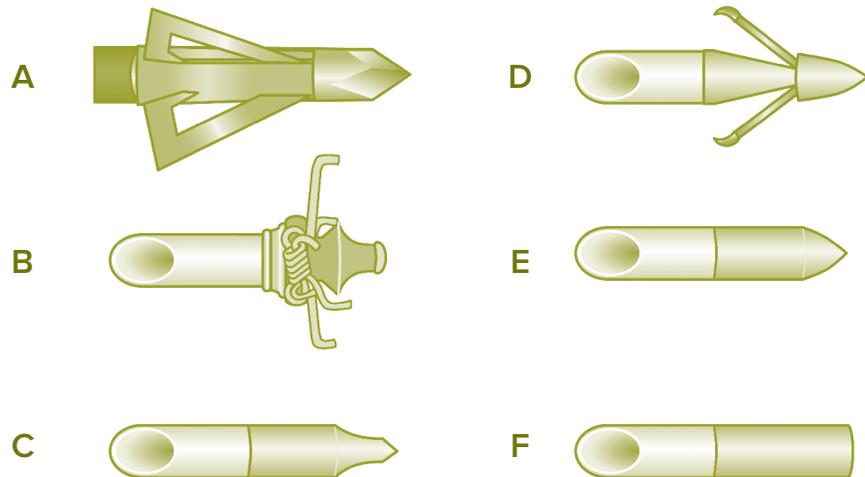
## Kinds of Bows

Fill in the name of the bow that matches each description below. (Hint: Crossbows are not part of 4-H archery programs.)

| Description   | Kind of Bow and Key Advantage |
|---|-------------------------------|
| 1. This is a basic “stick and string” bow.  |                               |
| 2. Each end of this bow is curved away from the archer so that propulsion force is increased for the same draw weight.                |                               |
| 3. This bow is made with cables and pulleys that dramatically increase propulsion force and decrease draw weight at full draw length. |                               |

## Kinds of Arrow Points

Write the letter of the image next to the name and description of each arrow point.



1. \_\_\_ **Target points** are used for target practice.
2. \_\_\_ **Blunt points** are used for hunting small game and are made of metal or rubber.
3. \_\_\_ **Field points** are used for target practice, especially with 3-D or dense foam targets.
4. \_\_\_ **Judo points** are used mostly in grassy areas for hunting small game. They are designed to keep the arrow from being buried.
5. \_\_\_ **Fishing points** are used for bow fishing. They have barbs that hold the fish to the arrow.
6. \_\_\_ **Broadhead points** are used for big game and have interchangeable blades, fixed blades, or mechanical blades that open on contact.



This page is for members who are repeating this project. Print and include this completed page at the end of your *Archery Member Record Book*.

## Expanding Your Horizons—Individual Activities

Select and complete one or two of the following experiences. If you take this project more than once you should do different activities each year. (Indicate previously completed activities by writing the year in the Date Completed column.) Always cite your sources of information.

Bring any reports you complete to your project evaluation. You can also create your own learning experiences.

| Activity   | Plan to Do | Date Completed | Instructor's Initials |
|--|------------|----------------|-----------------------|
| 1. Study a famous person who would have used a bow in competition, or for hunting, or as part of his/her occupation. Write a short paragraph about him/her.  |            |                |                       |
| 2. Bows come in many varieties. Study one type of bow and write a short report about it. Why does this type of bow interest you?   |            |                |                       |
| 3. Research several types of archery competitions. Which one is most interesting to you? Explain the differences between the types of competition and why you chose the one you did.                     |            |                |                       |
| 4. Discover whether there are any ranges nearby offering different types of archery competitions. What would it take to participate in these competitions? Is there an associated national organization? |            |                |                       |
| 5. Give a talk about bow safety or an aspect of shooting safety to your 4-H club. Do not use a bow and arrows as teaching aids unless approved and supervised by a 4-H shooting sports instructor.       |            |                |                       |
| 6. Take the Ohio Hunters Education Course.<br><br>Date taken: _____ Location: _____<br><br>Hunters Ed instructor signature: _____  |            |                |                       |
| 7. Find out if shooting scholarships are available at a college that interests you. What are the requirements for the scholarship? What is the deadline for applying for the scholarship?                |            |                |                       |
| 8. With your 4-H archery instructor's approval, write and complete your own learning experience. Write it here:  |            |                |                       |



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## Expanding Your Horizons—Guided Activities

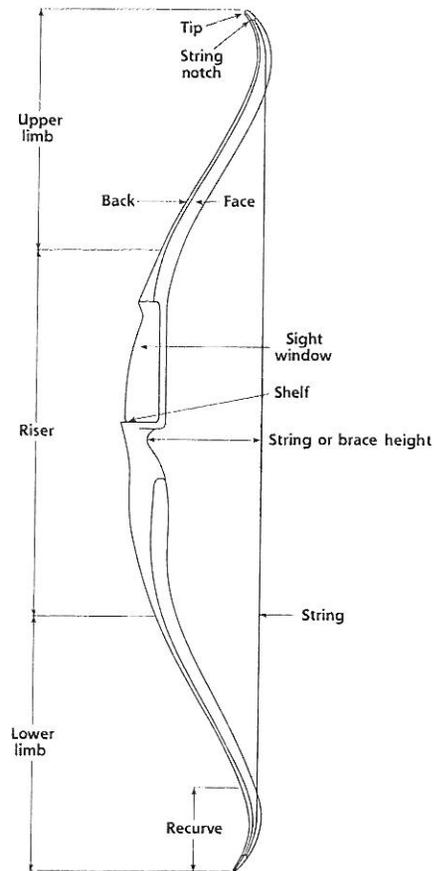
Complete one or two of the following activities and complete a short journal entry. If you take this project more than once you should do different activities each year. (Indicate previously completed activities by writing the year in the Date Completed column.) These activities must be completed under the supervision of a certified 4-H archery instructor or with a parent or legal guardian. Be sure all activities are done in a safe location following all rules of safe bow handling.

| Activity  | Plan to Do | Date Completed | Instructor's Initials |
|---|------------|----------------|-----------------------|
| 1. Take part in an archery competition that is sanctioned by 4-H, Boy Scouts, USA Archery, JOAB, or NFAA.   |            |                |                       |
| 2. Shoot a bow on a range that allows safely firing at a variety of distances. Shoot paper targets at different distances. What effect does distance have on the flight of the arrow?                               |            |                |                       |
| 3. Shoot different types of bows and/or different release types. Write a report about the differences between them and note the one you shot the most accurately.   |            |                |                       |
| 4. Shoot your bow under varying weather conditions. How does wind, temperature and sun affect your accuracy?  |            |                |                       |
| 5. Help the shooting instructors at your 4-H club with one or more of the following: setting up the range, inspecting the equipment, or keeping scores.   |            |                |                       |
| 6. Find an archery range that offers shooting at moving or aerial targets. Try shooting at moving targets. What steps are necessary to be successful and hit the target? Write a brief report of your experience.   |            |                |                       |
| 7. Research the archery events held at the Olympics. Set up an Olympic size range and practice until you can consistently group a round of arrows. Document your efforts and summarize your experience in a report. |            |                |                       |
| 8. Obtain your hunting license and take part in a hunt with a bow. Make sure you follow all Ohio and Federal laws that regulate hunting and use of bows.  |            |                |                       |
| 9. With your 4-H archery instructor's approval, write and complete your own learning experience. Write it here:   |            |                |                       |

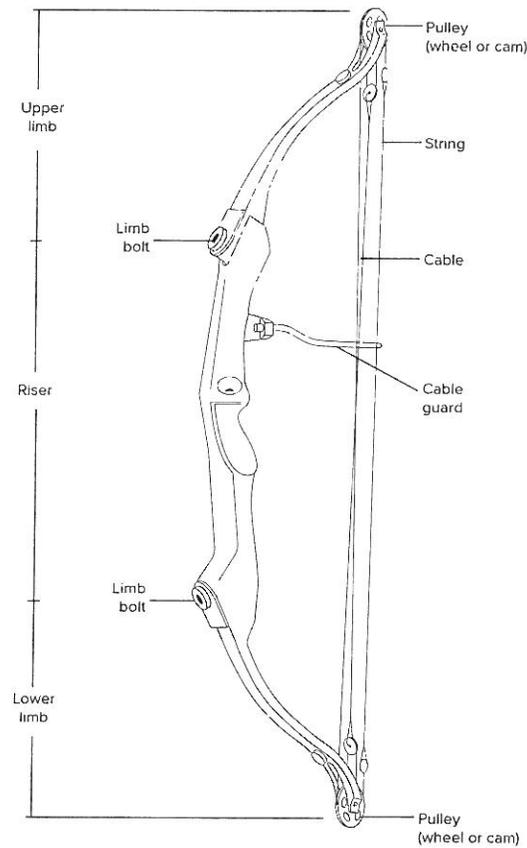


# Answer Key to Activities on Pages 12–14

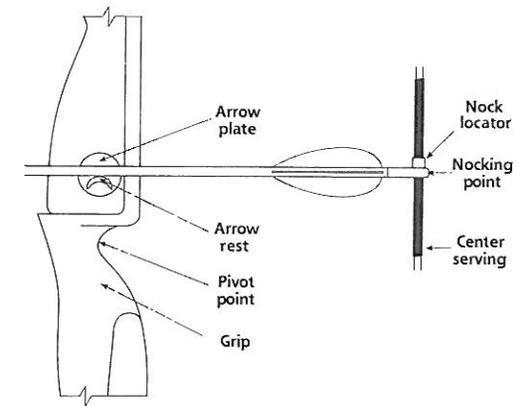
## Recurve Bow



## Compound Bow



## Parts of a Bow



## Kinds of Bows

1. longbow – simple and traditional
2. recurve – lightweight with more power than longbow
3. compound – most powerful, and most have let off when fully drawn

## Kinds of Arrow Points

1. E
2. F
3. C
4. B
5. D
6. A

## Parts of an Arrow

