Bow Safety and Patch Requirements

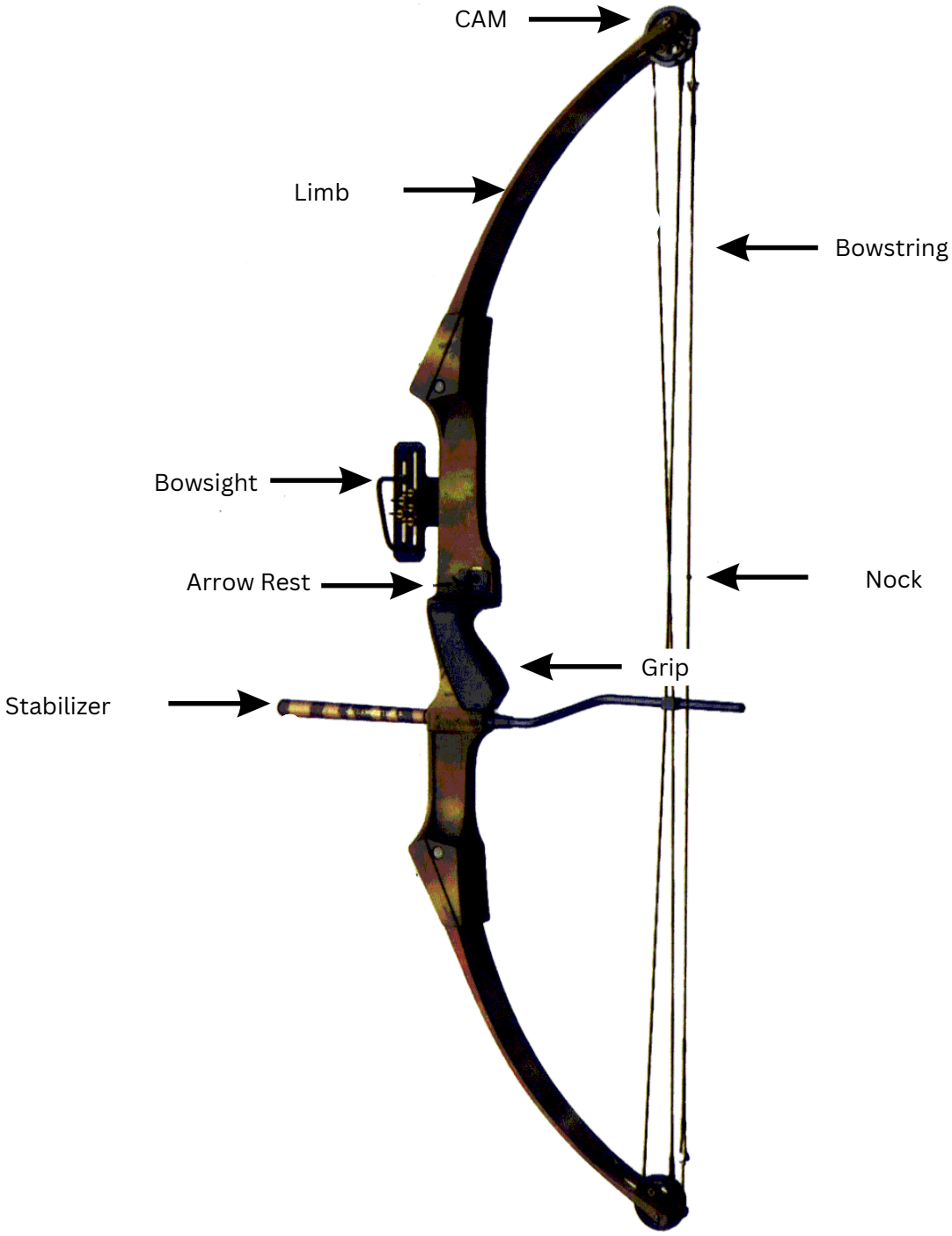
Bow Safety

1. Do not run while holding an arrow.
2. Always shoot behind the line and only down field
3. Always hold arrow correctly
4. Nock arrow when told

Patch Requirements

1. RA must be able to recite 4 Bow Safety rules
2. Complete Parts of a Bow and Arrow Test
3. Must hit within the 8 ring

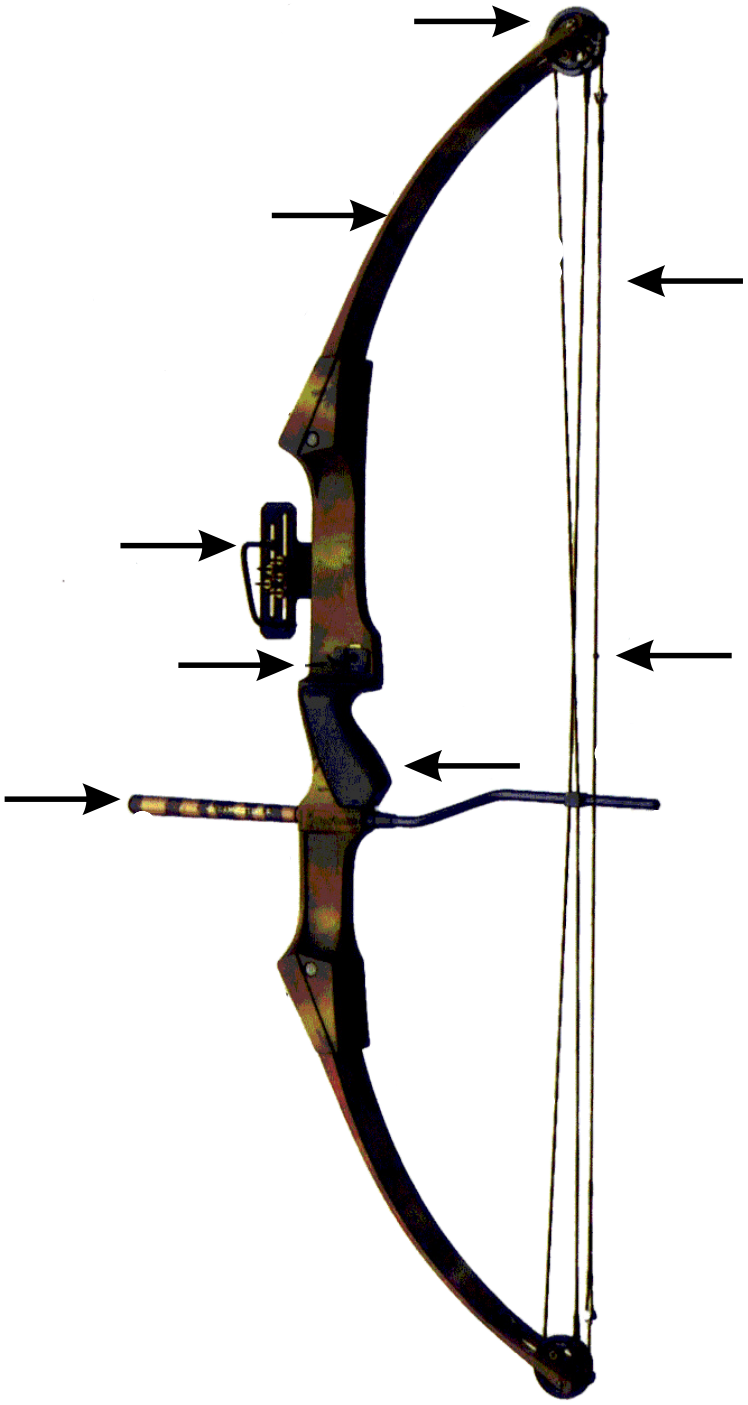
Parts of a Bow Worksheet



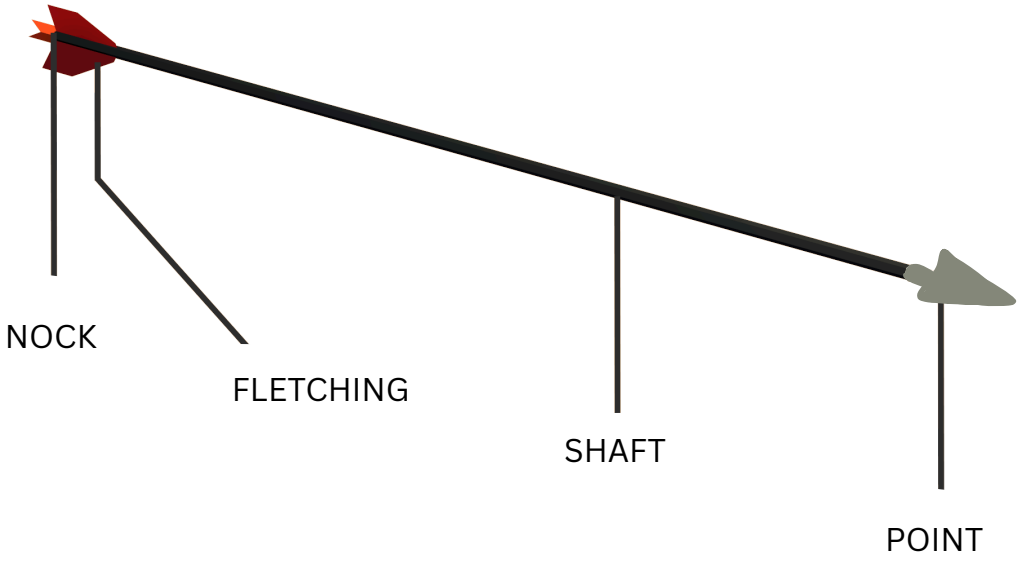
Parts of a Bow Test

Wordbank

1 CAM
2 Limb
3 Bowstring
4 Bowsight
5 Arrow Rest
6 Nock
7 Grip
8 Stabilizer



Parts of an Arrow Worksheet

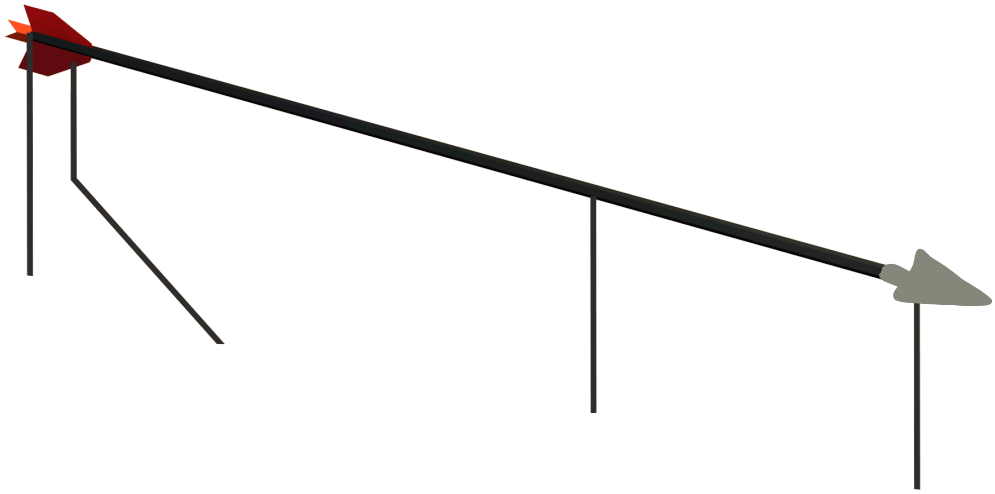


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Parts of an Arrow Test

Wordbank

1 Point
2 Fletching
3 Nock
4 Shaft

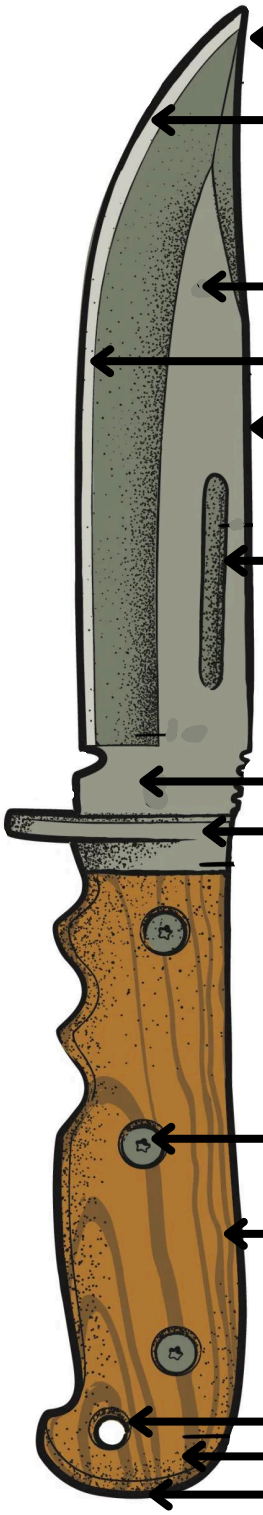


Parts of a Knife- Patch Requirements

To Earn the RA Knife Patch you have to...

1. Know the parts of a knife as given on the RA Parts of a Knife flyer
2. Take a written quiz on the Parts of a Knife (you can only miss 2; you may take the quiz multiple times)
3. Know by sight the "4 Types of Knives"
4. Open and close a knife safely; remove 6" of bark from a stick of your choice

Parts of a Knife
Worksheet



POINT (Tip) The pointed end of the blade

BELLY Curved section of the edge

CHEEK (Face) The side of the blade

EDGE Sharpened cutting surface

SPINE Unsharpened back of the blade

FULLER (Blood Groove) Channel that runs parallel to the spine, reduces weight and adds strength

HEEL Section of the blade where it meets the handle or guard

GUARD Keep the hand from slipping onto the blade

RIVET Holds the handle together

HANDLE Where the knife is held. Can be wood or synthetic material, it encompasses the tang

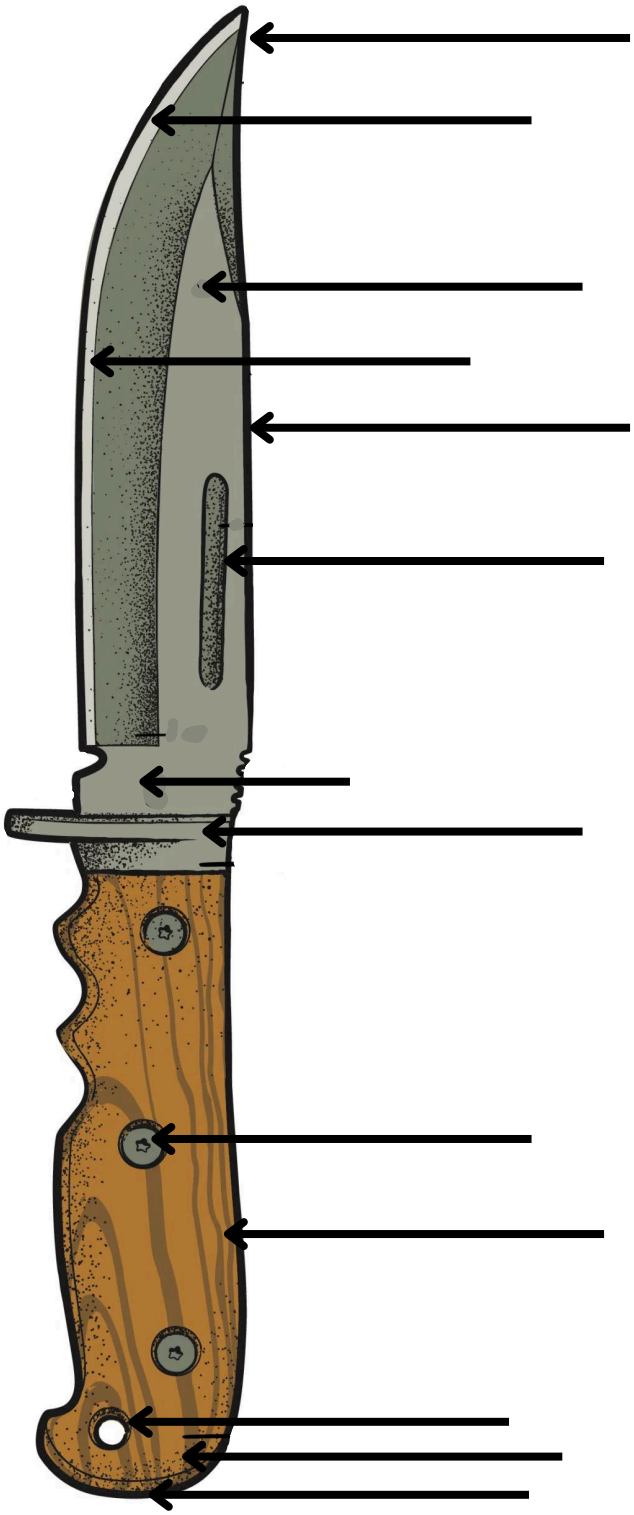
LANYARD HOLE Hole where a rope is tied for your hand

POMMEL (Butt) End of the handle

TANG Part of the blade surrounded by the handle/the exposed metal on the handle

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Parts of a Knife Test



WORD BANK

1.TANG
2.POMMEL
3.FULLER
4.HEEL
5.POINT
6.RIVET
7.SPINE
8.LANYARD HOLE
9.GUARD
10.HANDLE
11.BELLY
12.CHEEK
13.EDGE

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Tools Patch Requirements

1. Complete 3 tests
2. Take a drill or input wrench and fasten two 2x4's together with a screws.

Tools- Service Truck Worksheet



Mobile Crane



Welder



Air Compressor



Vice



Mini Sledge



Angle Grinder



Cutting Torch



Impact Wrench

Tools- Service Truck Test











Word Bank

1. Angle Grinder
2. Mini Sledge
3. Welder
4. Cutting Torch
5. Air Compressor
6. Impact Wrench
7. Vice
8. Mobile Crane







Tools- Fastener Worksheet



Machine Screw



Wood Screw



Nail



Screw Head Types



Phillips Head Screw Driver



Flat Head Screw Driver



Claw Hammer



Allen Wrench

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Tools- Fastener Test



















Word Bank

1.Combo Screw
2.Hex Screw
3.Claw Hammer
4.Allen Wrench
5.Phillips Screw
6.Square Screw Nail
7.Torx Screw
8.Flat Head Screw Driver
9.Wood Screw
10.Phillips Head Screw Driver
11.Machine Screw
12.Slotted Screw

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Tools- Sockets Worksheet

Draw a line from the name to the correct tool.



Socket



Extension



Adjustable Wrench



Ratchet

Tools- Sockets Test

Draw a line from the name to the correct tool.

Ratchet



Socket



Adjustable Wrench



Extension



Knot Patch Requirement

1. Identify and tie the four RA knots.

Types of Knots

Fisherman's Knot:

Step One:



Step Two:



Step Three:



Step Four:

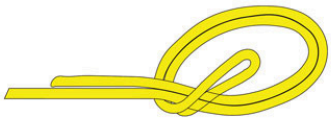


Step Five:

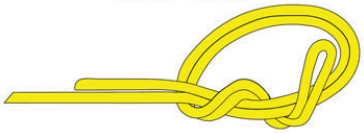


Surgeon's Loop Knot:

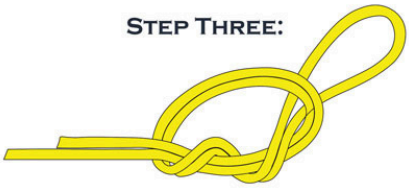
Step One:



Step Two:



Step Three:



Step Four:



Palomar Knot:

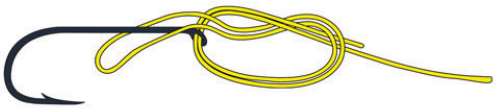
Step One:



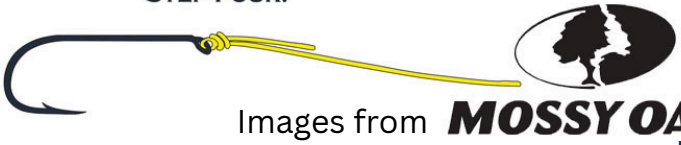
Step Two:



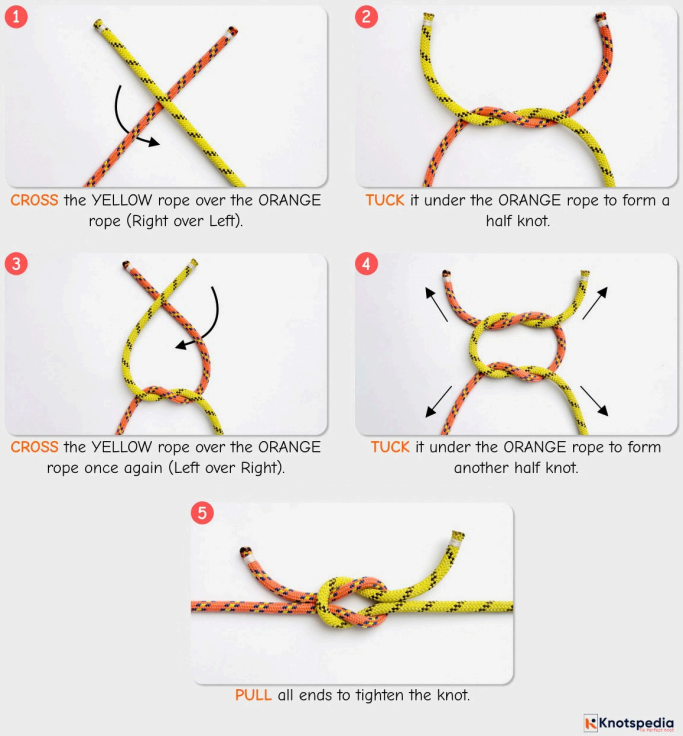
Step Three:



Step Four:



How to Tie the Square Knot (Reef Knot)



Images from MOSSY OAK

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Air Rifle Patch Requirement

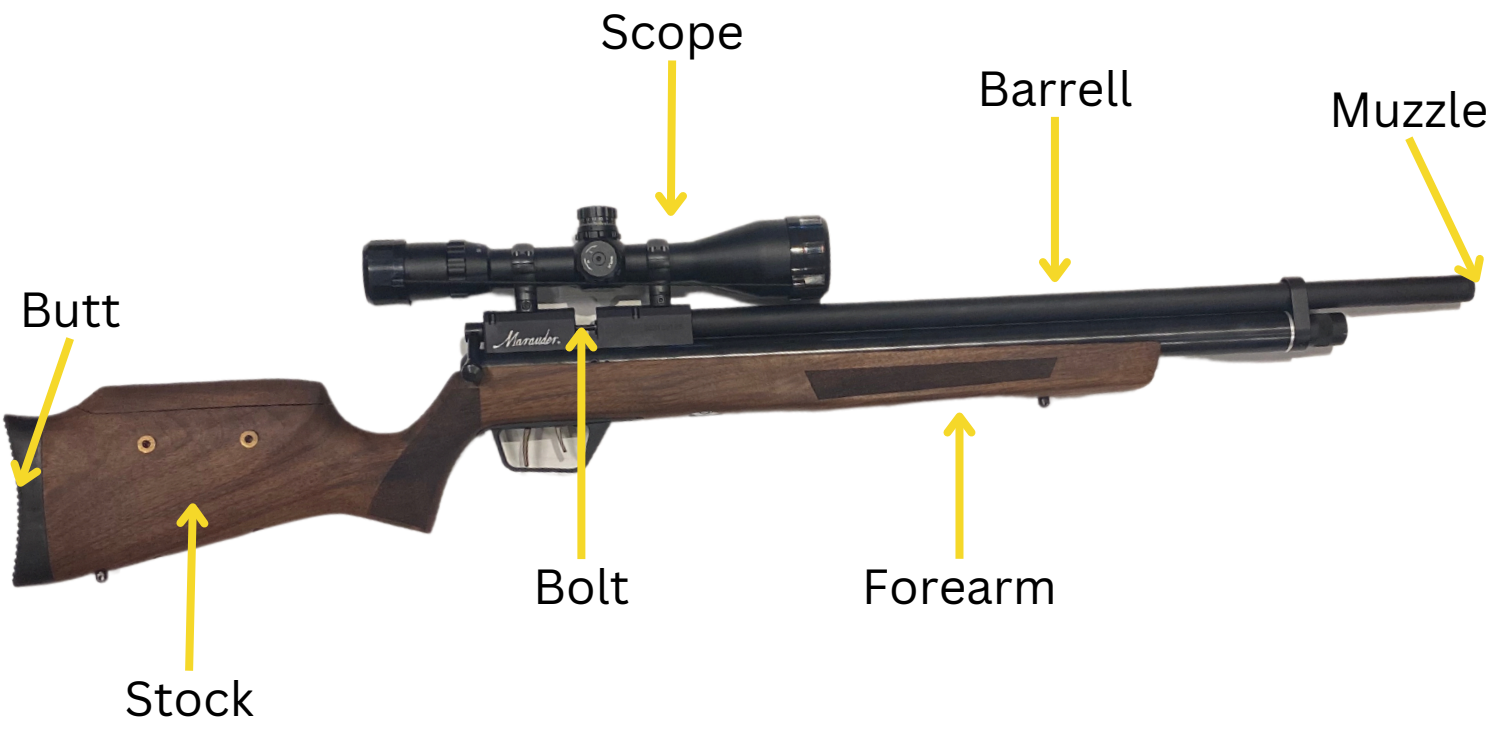
To Earn the RA Air Rifle Patch you have to...

1. Know the RA Gun Safety Rules
2. Complete the Gun Part ID Test (you can only miss 1; you may take the quiz multiple times)
3. Hit 8 targets out of 10

RA Gun Safety Rules

1. Treat every firearm like it is loaded.
2. When you are handling any gun always have the safety on.
3. Muzzle Control – muzzle is either down range (toward your target) or in an upward position.
4. Never handle a gun unless given permission by the adult in charge.

Air Rifle Part ID Worksheet





Air Rifle Part ID Test





Word Bank

1. Bolt Handle
2. Stock
3. Forearm
4. Butt
5. Bolt
6. Trigger
7. Safety
8. Muzzle
9. Scope
10. Barrell

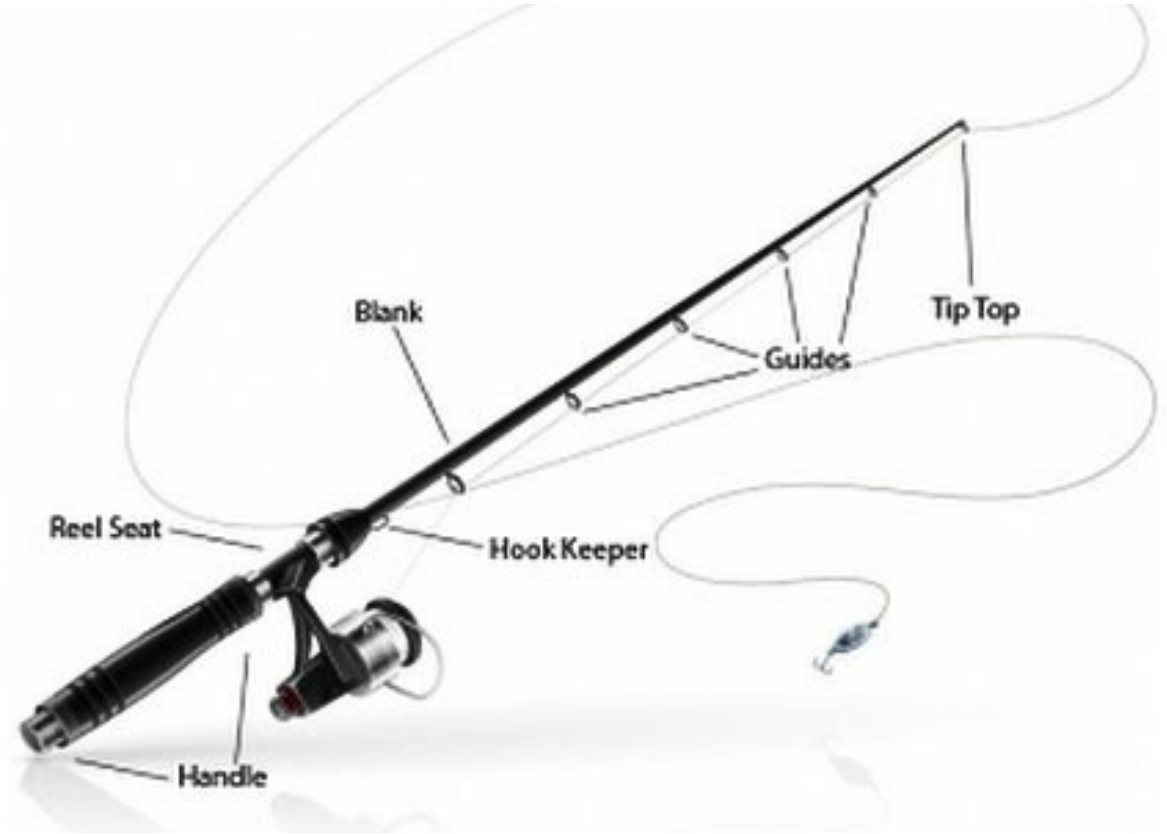
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Rod & Reel Patch Requirement

To Earn the RA Rod & Reel Patch you have to...

1. Complete the Rod & Reel Part ID Test
2. String rod, tie lure on, cast and hit target

Rod & Reel Part ID





Rod & Reel Part ID Test

Reel Word Bank

1. Reel Seat
2. Hook Keeper
3. Handle
4. Tip Top
5. Guides
6. Blank





Reel Word Bank

1. Drag Adjustment
2. Thumb Button
3. Line Opening
4. Reel Handle
5. Reel Foot
6. Cover

Tree Identification Patch Requirements

To Earn the RA Tree Identification patch you have to correctly identify the follow trees.

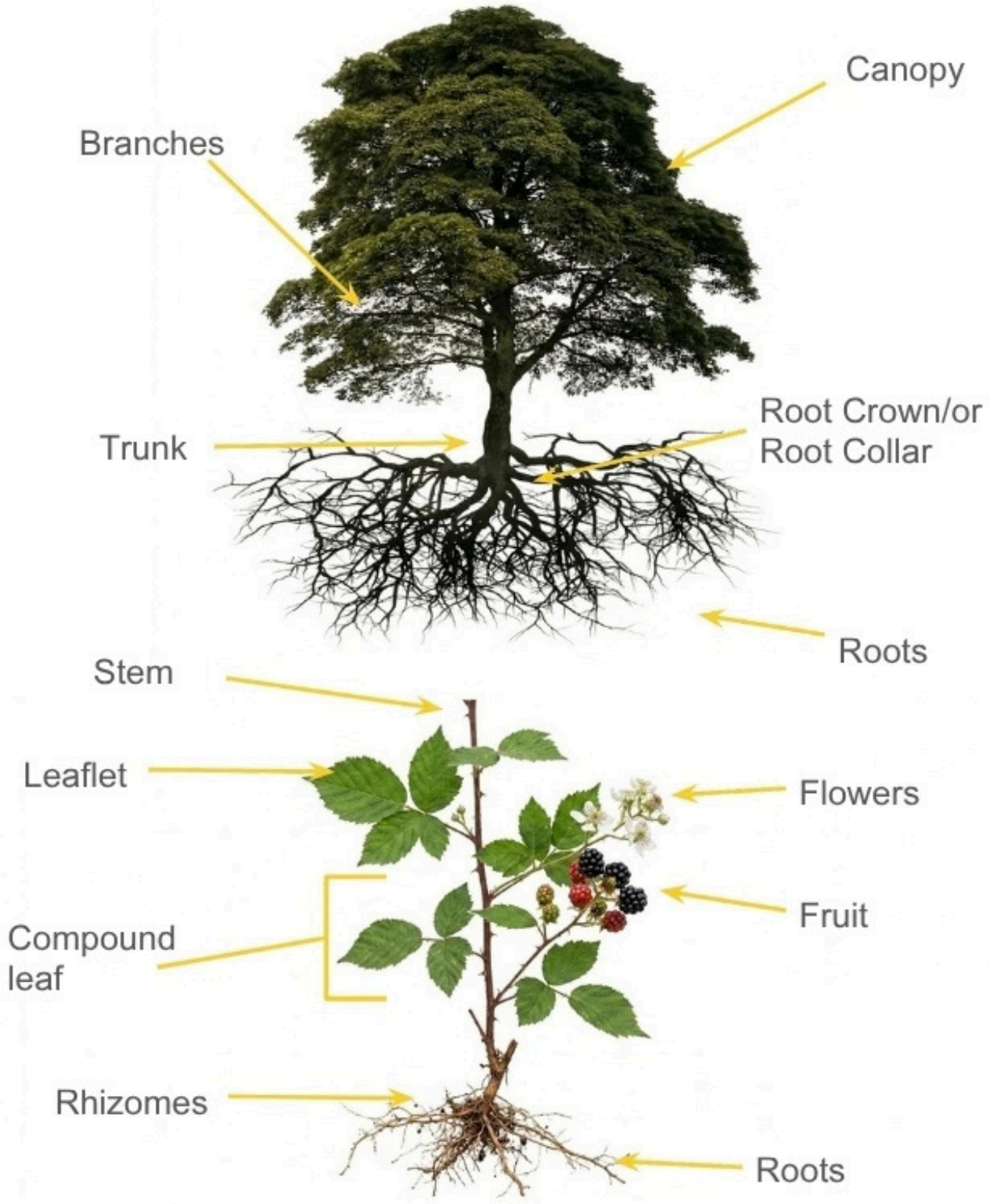
Trees:

- Winged Elm
- Sweet Gum
- Persimmon
- Water Oak
- Loblolly Pine
- Short Leaf Pine
- Pecan
- Eastern Red Cedar
- Black Jack Oak
- Southern Hackberry (Sugarberry)
- Holly
- Black Cherry

Plants:

- Poison Ivy
- Virginia Creeper
- Sawtooth Blackberry
- Chinese Privet
- Wisteria
- Muscadine

Plant ID Worksheet



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Plant Parts Descriptions

- **Roots:** absorb water and minerals for nourishment from the soil
- **Rhizomes:** some plants grow these to sprout new plants from their roots!
- **Leaves:** capture sunlight using carbon dioxide from the air to make glucose (plant sugar) and oxygen
- **Trunk/Stem:** move nutrients up into the canopy and glucose down into the roots (called xylem and phloem).
- **Canopy:** the leafy top layer of trees that acts like a giant umbrella.
- **Flowers:** bright, colorful parts of a plant that attract pollinators (such as bees and butterflies) and make fruit and seeds.
- **Fruit:** fleshy growth forms after the flower to give the new seed inside nutrients when it falls to the ground and decomposes.
- **Seeds:** sprout to make new plants of the same kind
-

Kinds Of Plants



Trees

Tall, perennial plantswitha main woody stem or trunk that supports branches and leaves



Shrub

Low-to-medium height woody plants featuring multiple stems branching out from or near the ground rather than a main trunk



Creeper

Plants with very weak stems that cannot stand upright on their own, choosing instead to grow horizontally along the surface of the ground



Herb

Seed-producing plantswith soft, green, non-woody stems that typically die down to the ground at the end of each growing season



Climber

Plants with a long, weakstem that grows upward by attaching itself to a vertical support like a tree, fence, wall, or trellis instead of standing on its own



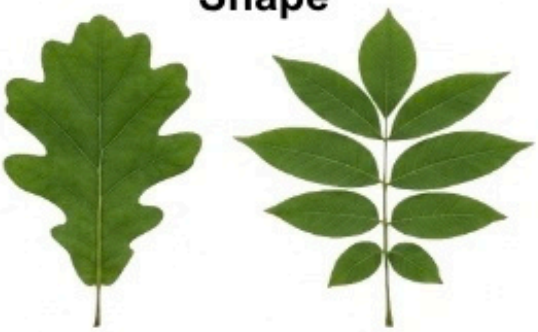
Grass

Plants with narrow, slender leaves and hollow stems that form ground carpets in lawns, fields, and open meadows.

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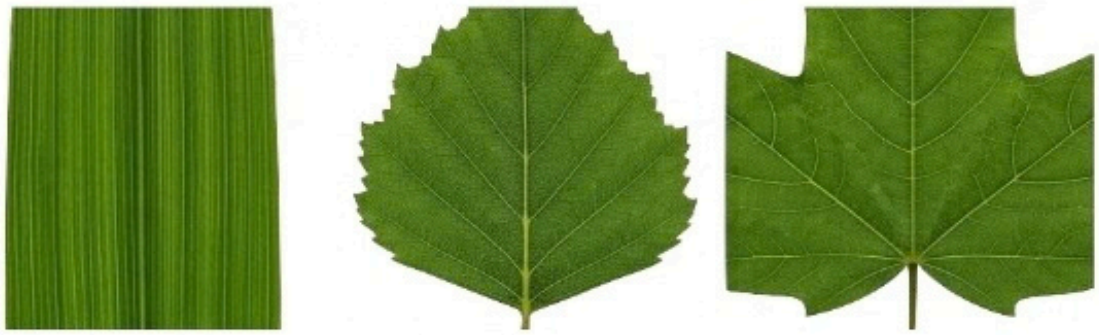
Leaf Identification

Shape



Simple Compound

Veins



Parallel Pinnate Palmate

Leaf arrangements



Alternating Opposite Whorled Rosette Fascicled

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Plant Identification: Poison Ivy



Shape



Flower



Leaf



Fruit (berry)

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Tree Identification: Winged Elm



Shape



Bark



Flowers



Winged Branch



Leaves



Fruit



Seeds

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Plant Identification: Virginia Creeper



Shape



Flower



Leaf



Fruit (berry)

Kiokee Kids

Plant Identification: Sawtooth Blackberry



Shape



Flower



Thorns



Leaf



Fruit (berry)

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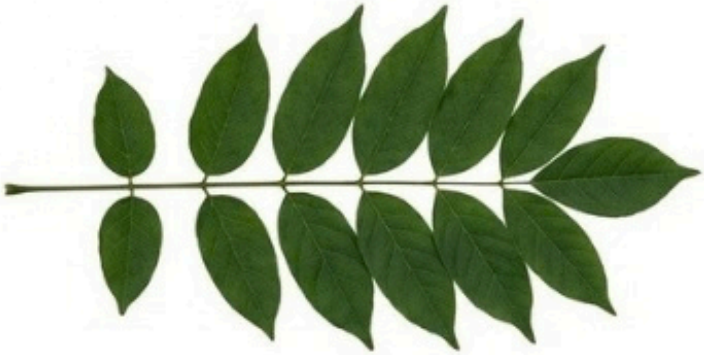
Plant Identification: Wisteria



Shape



Flower



Leaf



Fruit (berry)

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Plant Identification: Chinese Privet



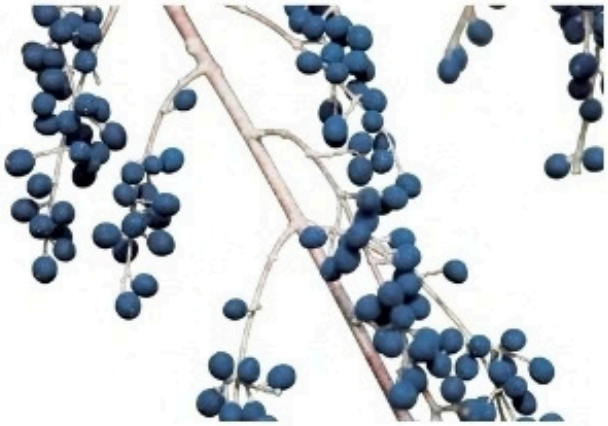
Shape



Flower



Leaf



Fruit (berry)

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Plant Identification: Muscadine



Shape



Flower



Leaf



Fruit (berry)

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