

Shotgun Merit Badge



Information to help you meet
the requirements of the
Shotgun Shooting Merit Badge.

***NO LIVE AMMUNITION
in the classroom
NO EXCEPTIONS!***





Gun Safety Rules

ALWAYS keep your gun pointed in a safe direction





Gun Safety Rules

ALWAYS keep your finger off the trigger until ready to shoot





Gun Safety Rules

ALWAYS keep your gun unloaded until ready to use





Gun Safety Rules

1. Always keep the gun pointed in a safe direction.
2. Always keep finger off the trigger until ready to shoot.
3. Always keep the gun unloaded until ready to use.

SAFETY FIRST

- * **ALWAYS** keep the gun pointed in a safe direction.
- * **ALWAYS** keep your finger off the trigger until ready to shoot.
- * **ALWAYS** keep the gun unloaded until ready to use.



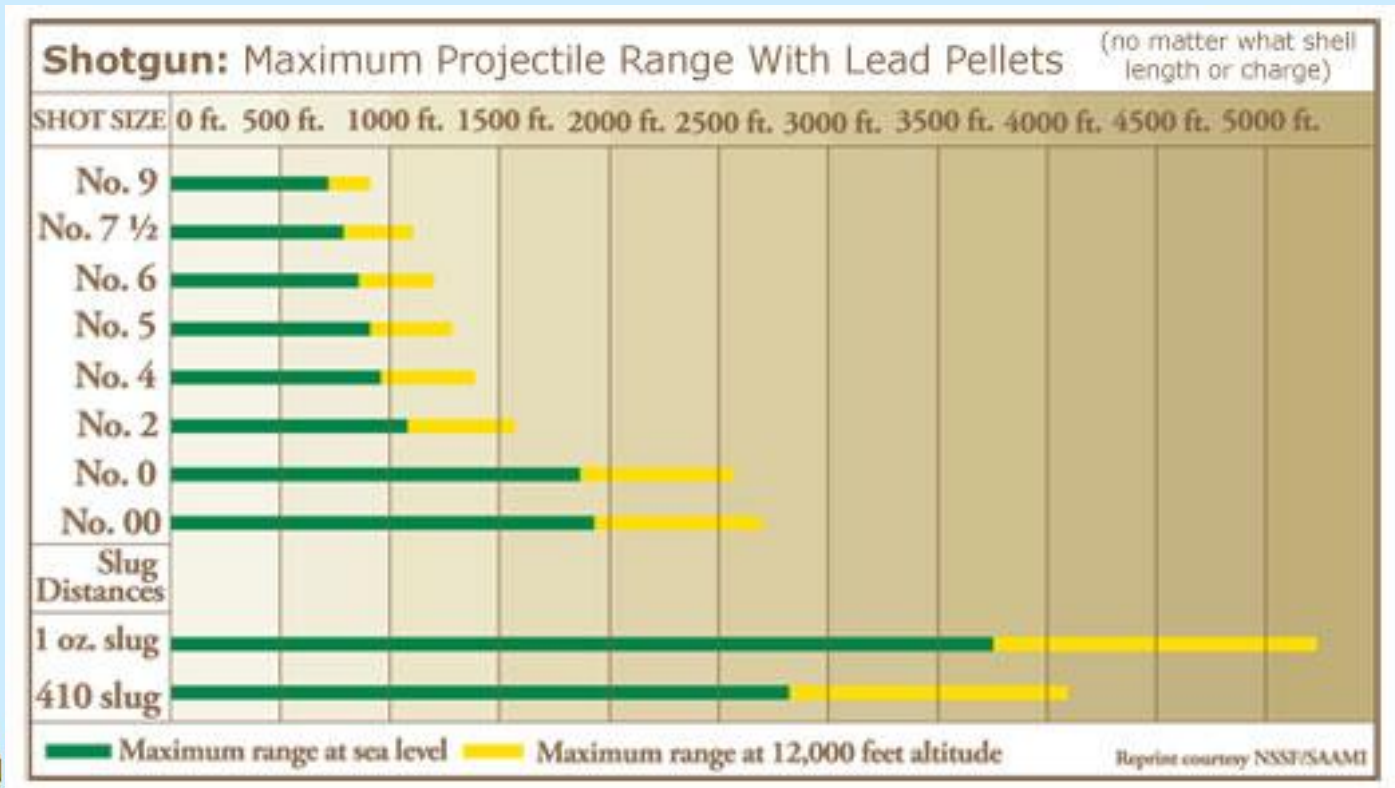


Rules for Using a Gun Safely

- Know your target and what is beyond
- Treat every gun as loaded until you have verified it is not
- Know how to use a gun safely
- Be sure the gun is safe to operate
- Use correct ammunition for the gun
- Wear hearing and eye protection
- Never use drugs or alcohol before or while shooting
- Know who to use the gun safely



Rules for Using a Gun Safely





Storing Firearms

- Always store firearms so they are not accessible to unauthorized persons
- What are some ways you can do this?





Storing Firearms

- Gun Safes
- Locked Rooms
- Trigger/Action Locks





Explain why BB and pellet air guns must always be treated with the same respect as firearms.





- BB and Pellet Air Guns
- Air guns are not toys. Today's air gun is a technically sophisticated and precise instrument. Everything you do with a Shotgun or Rifle on safe gun handling, shooting stance, fundamentals of firing, hygiene, and etiquette—also applies to air guns.





Describe how you would react if a friend visiting your home asked to see your or your family's firearm(s).





- Explain the need for, and use and types of, eye and hearing protection.
- Demonstrate their proper use.





Give the main points of the laws for owning and using guns in your community and state.





Laws for owning guns in our state

- Must be 18 to buy for long guns
- Must be 21 buy handguns
- Can not be a Felon
- Can not have any restraining orders against you
- All Federal Laws must be followed



Explain how hunting is related to the wise use of renewable wildlife resources.





Hunting and Wise use of renewable Wildlife

- Hunting helps keep the balance between wildlife and the habitat that they need to survive
- Helps to ensure the health of the species





Obtain a copy of the hunting laws for your state. Explain the main points of hunting laws in your state and give any special laws on the use of guns or ammunition





Hunting Laws

- Number of shells allowed in shotgun
- Need plug
- Shoot steel shot where required
- Must have hunters education
- Must have hunting license
- No night hunting
- No hunting from a road way
- Bag limits
- Population of animals that an area will support without being damaged
- Always check local laws
- Never do anything you don't feel is ethical
- Ignorance is no excuse



Explain to your counselor
the proper hygienic
guidelines used in shooting.





Hygienic Guidelines

- Wash hands after handling ammunition and shooting
- Use cold water and soap
- Do not eat or drink while shooting or handling firearms



Identify and explain how you can join or be a part of shooting sports activities.





Shooting Sports

- Trap Shooting
- Skeet Shooting
- Shooting Leagues
- Game and Parks
- 3 Gun Competitions
- Winchester Marksmanship



Give to your counselor a list of sources that you could contact for information on firearms and their use.



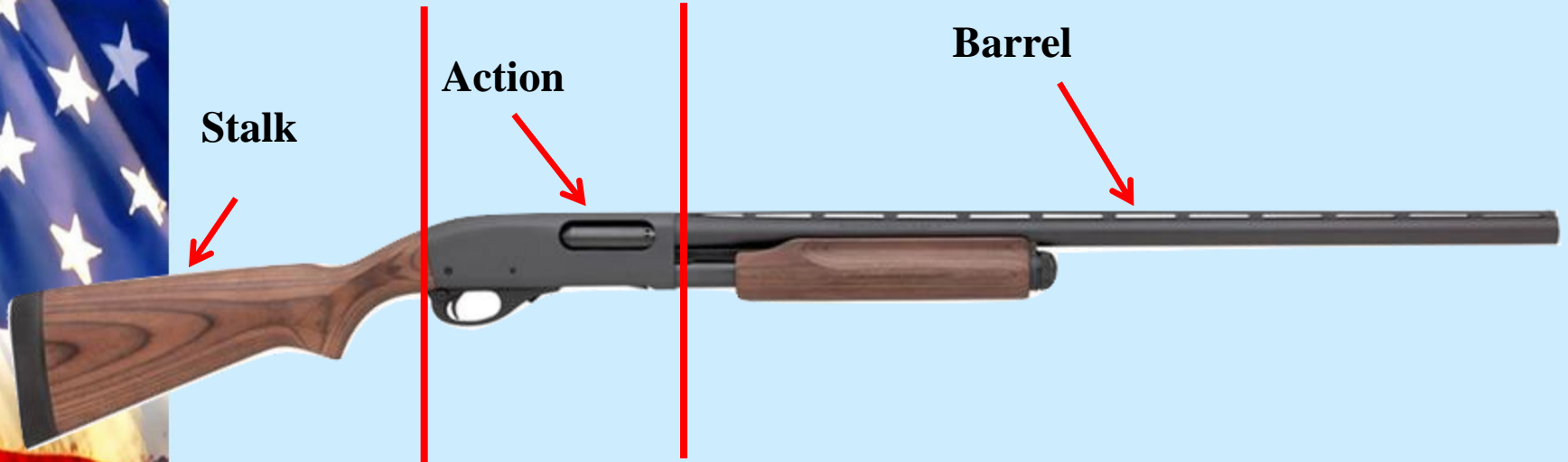


Identify the principal parts of a shotgun, action types, and how they function





3 Main Parts of a Shotgun Parts



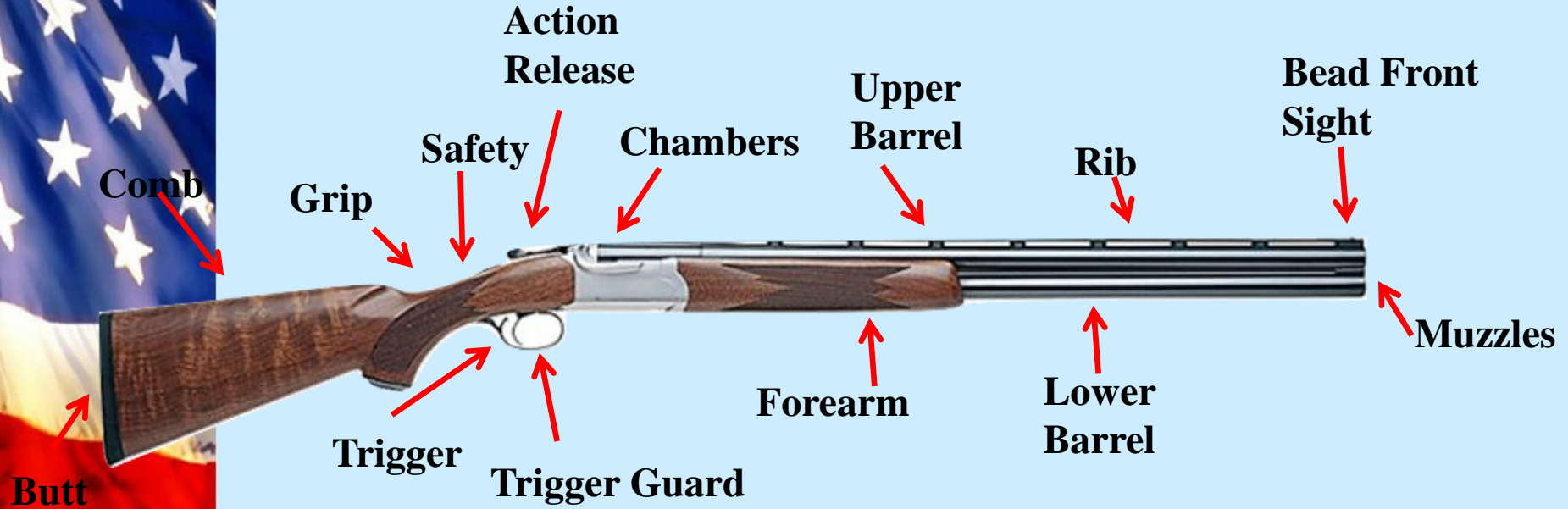


Semi-Auto Shotgun Parts





Break Action Shotgun





Pump Shotgun Parts





Pump Shotgun Parts

Comb





Pump Shotgun Parts



Comb

Grip





Pump Shotgun Parts



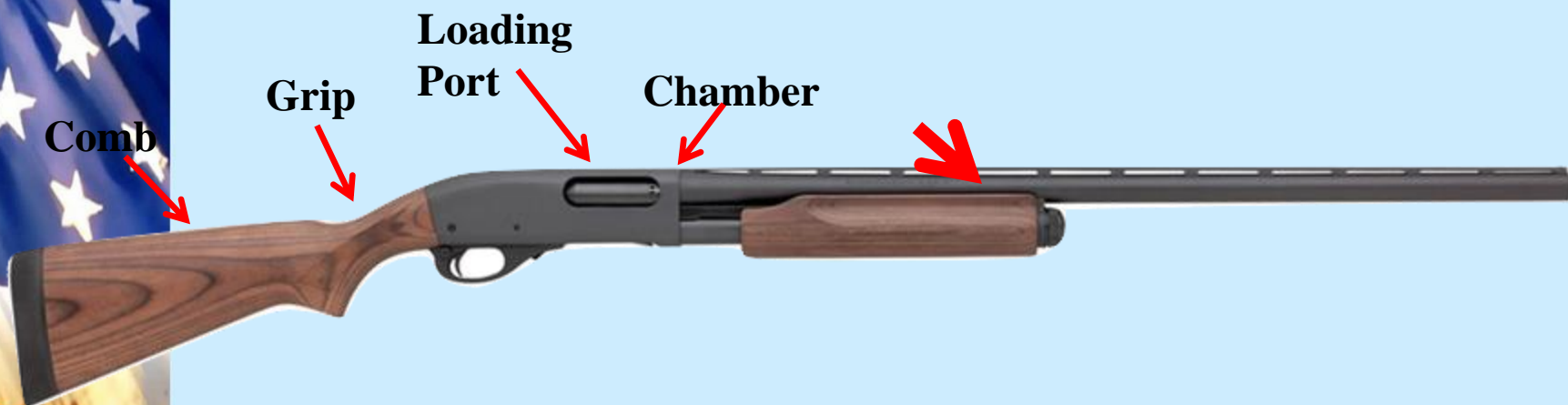
Comb

Grip

**Loading
Port**

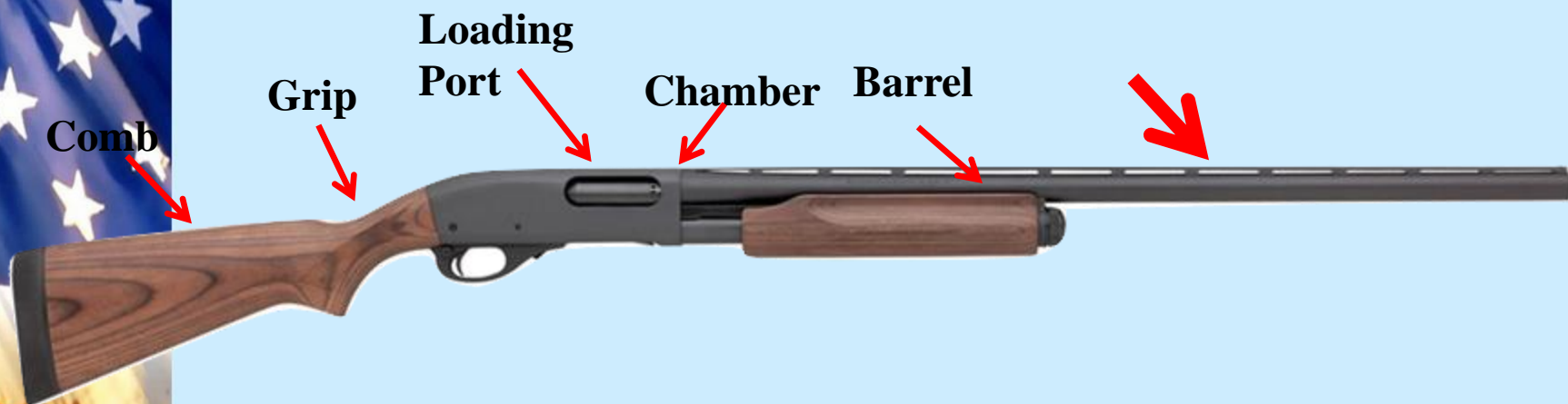


Pump Shotgun Parts



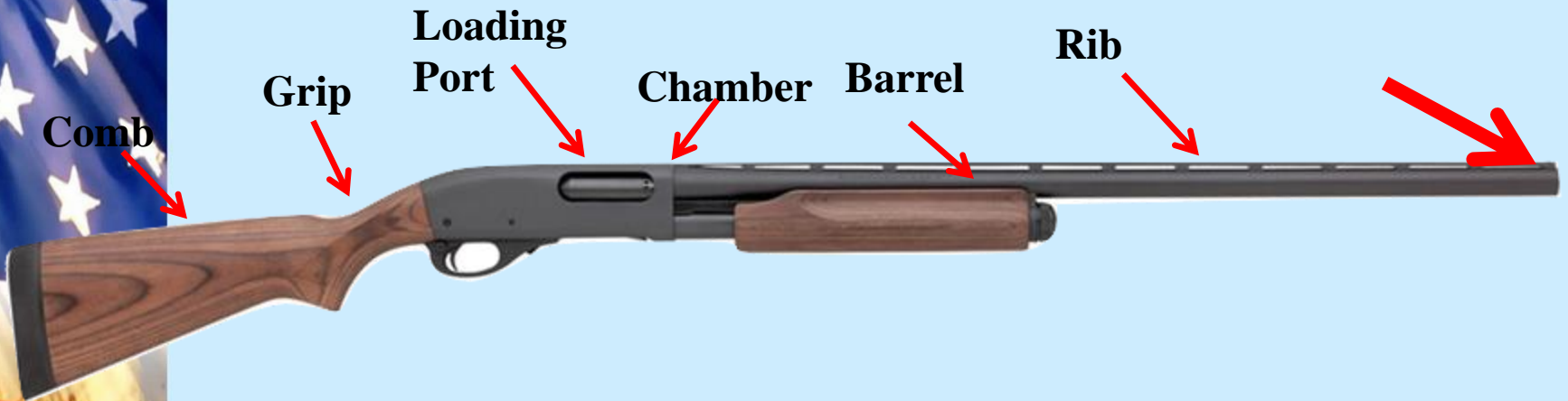


Pump Shotgun Parts



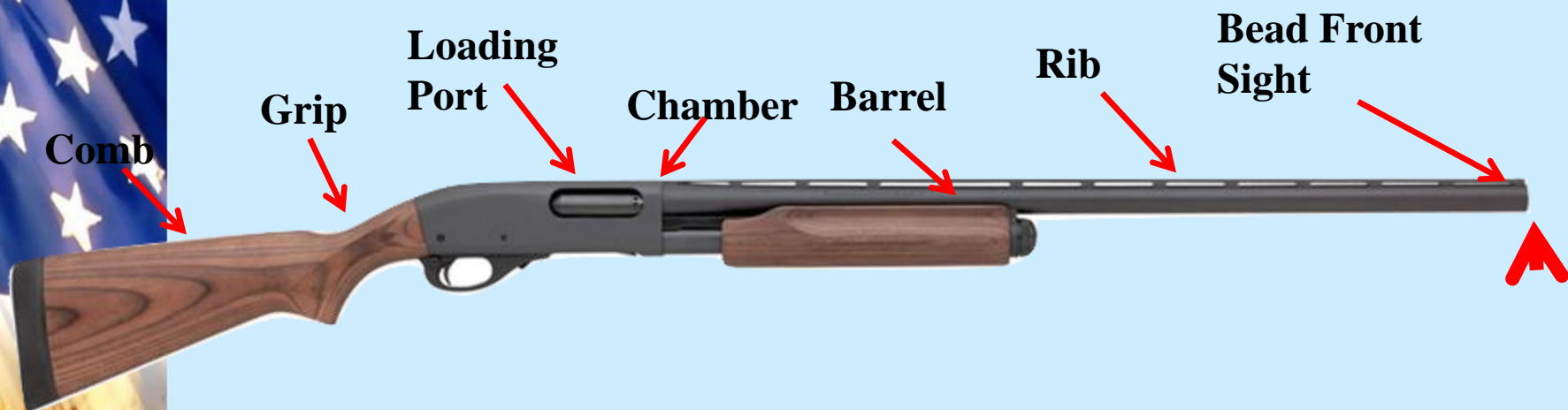


Pump Shotgun Parts



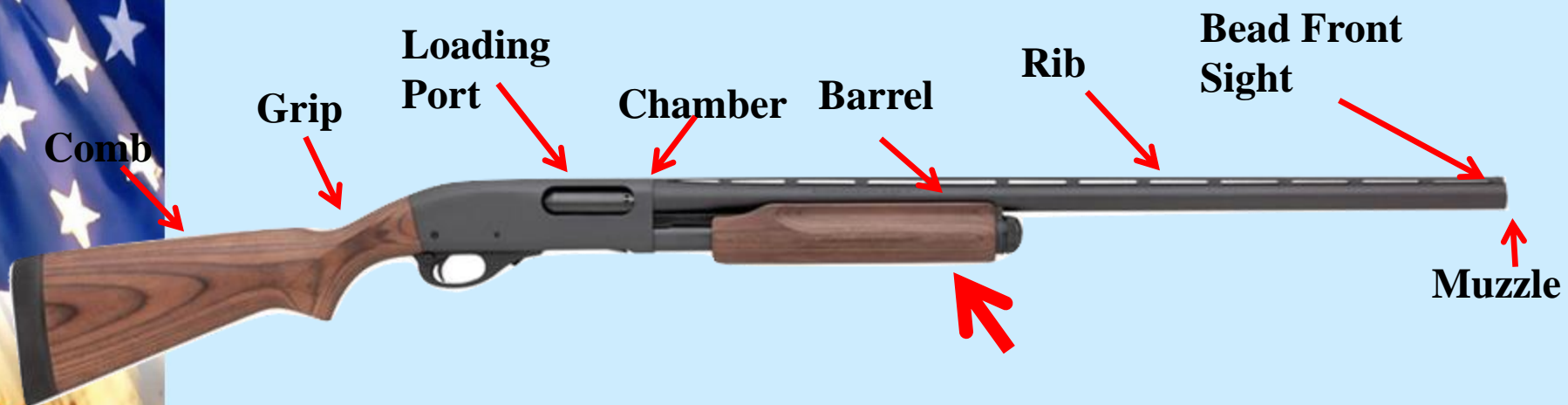


Pump Shotgun Parts



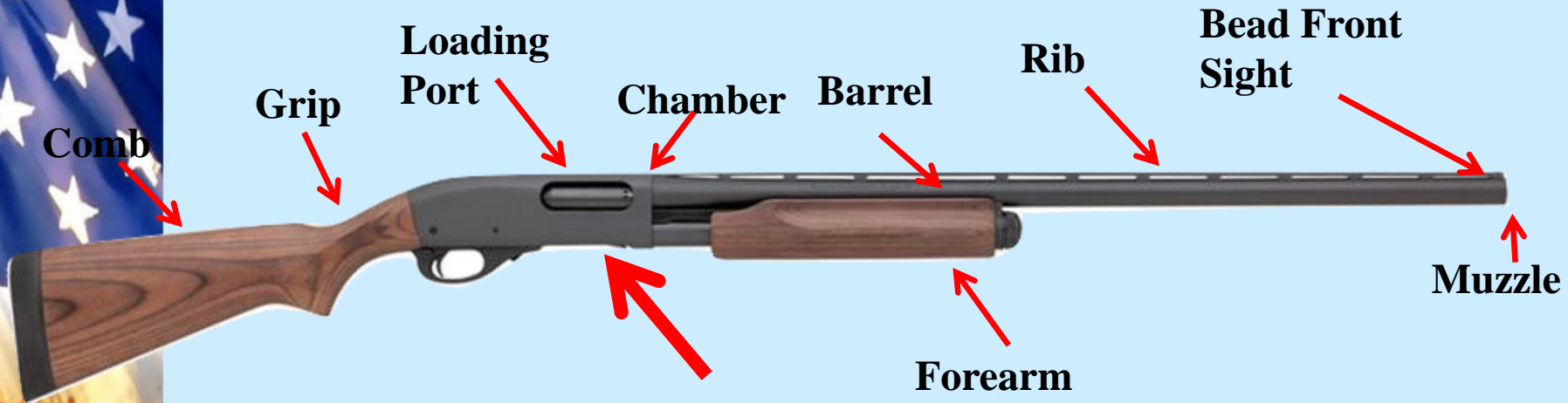


Pump Shotgun Parts





Pump Shotgun Parts





Pump Shotgun Parts





Pump Shotgun Parts





Pump Shotgun Parts





Pump Shotgun Parts





Pump Shotgun Parts





Pump Shotgun Parts



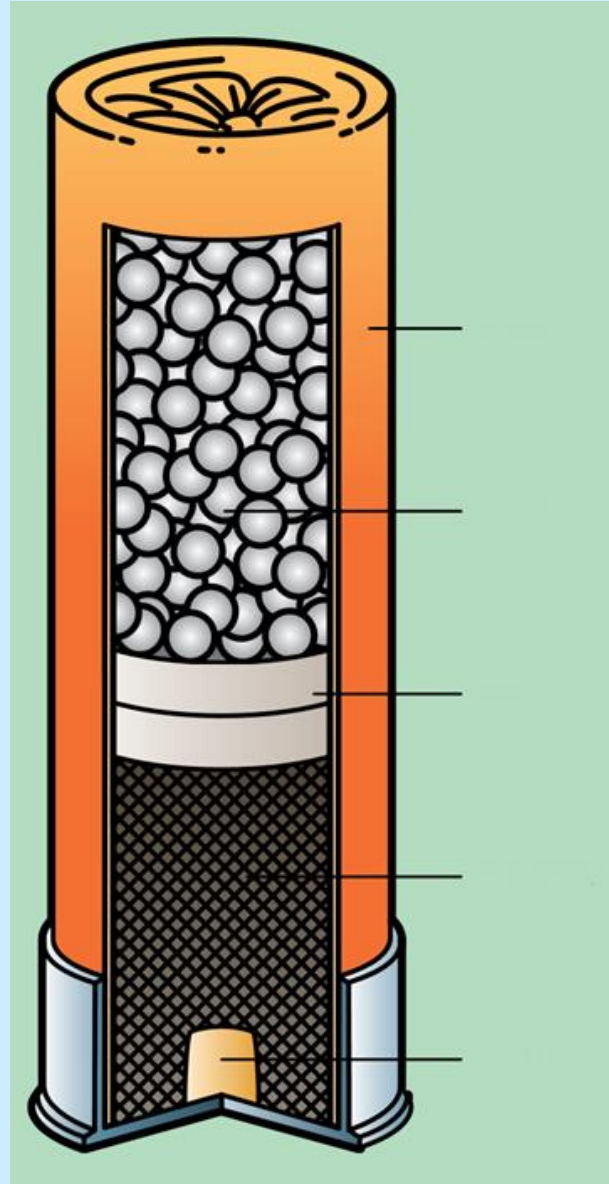


Identify the parts of a
shotgun shell and their
functions



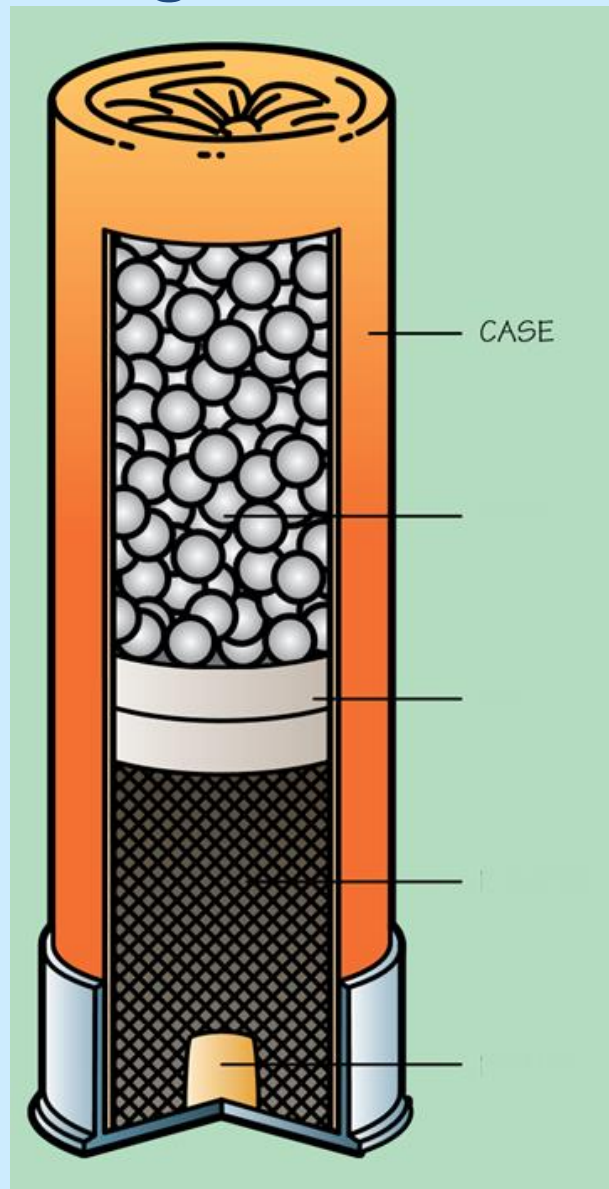


Parts of a shotgun shell



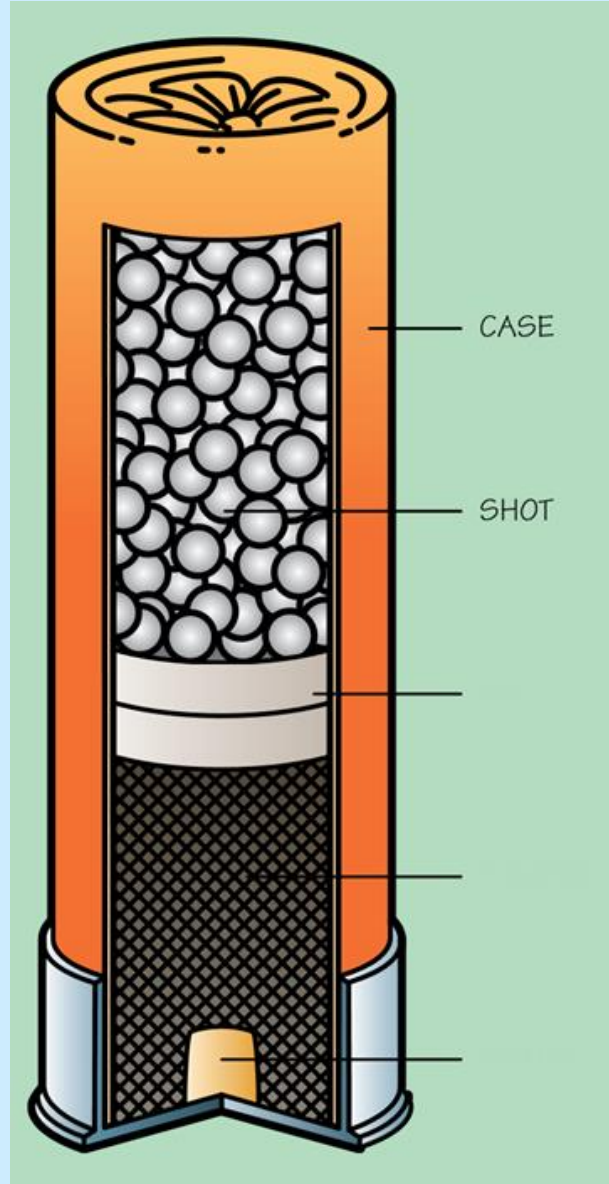


Parts of a shotgun shell



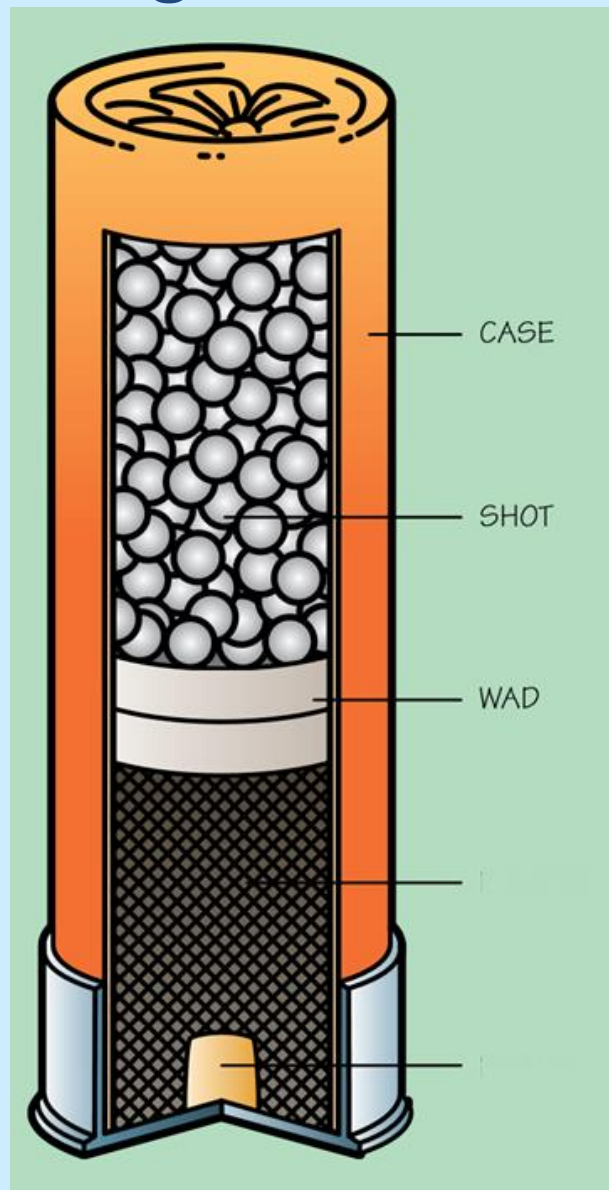


Parts of a shotgun shell



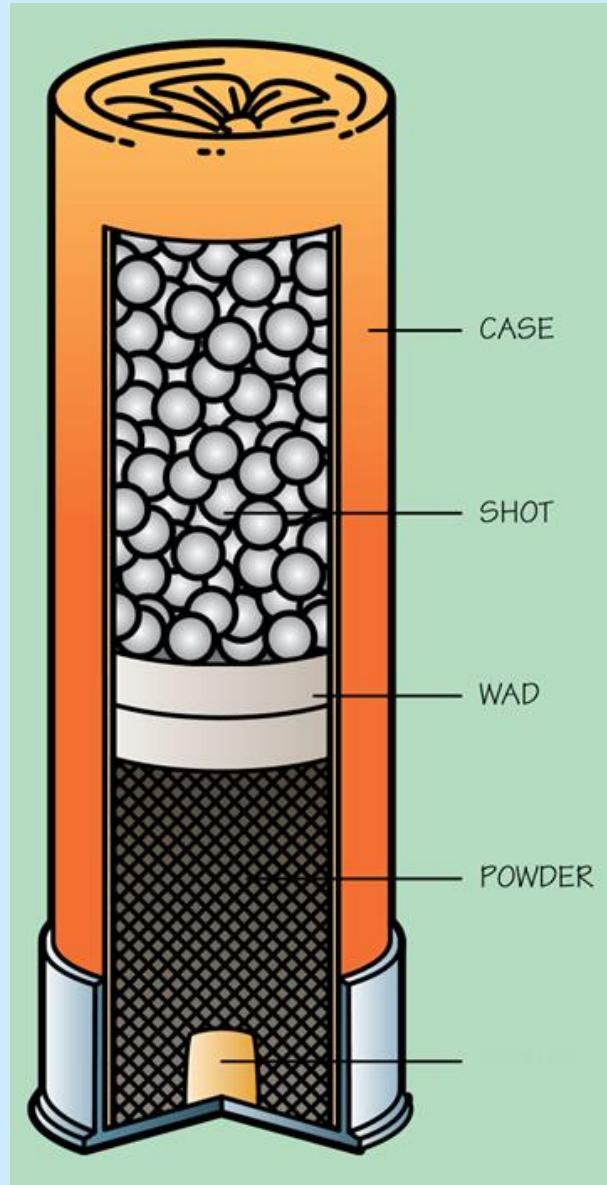


Parts of a shotgun shell



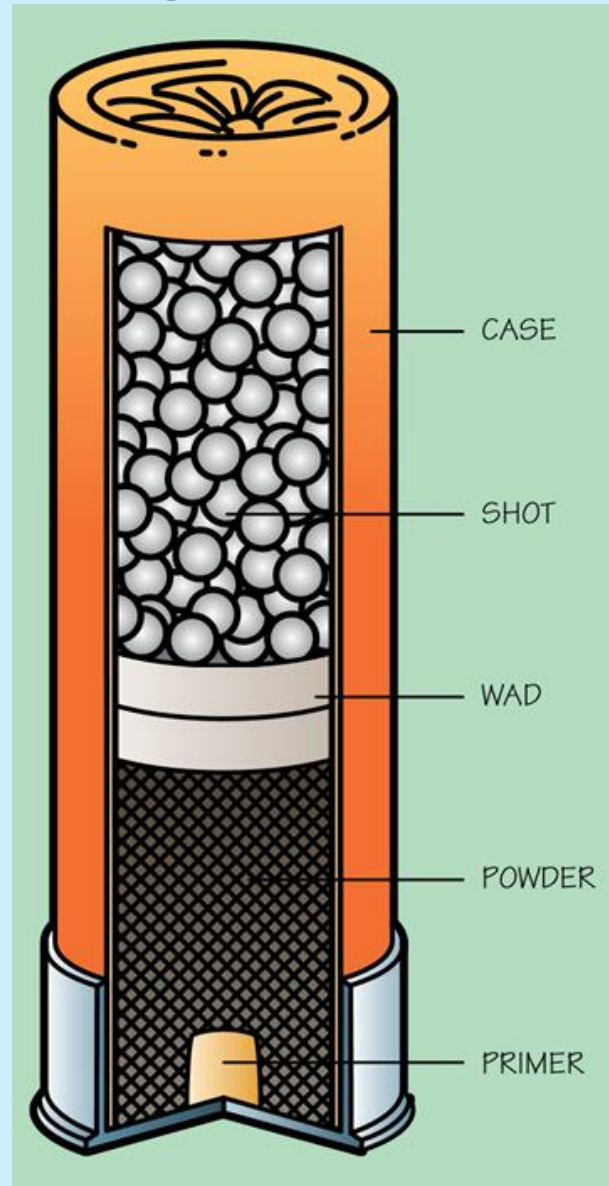


Parts of a shotgun shell





Parts of a shotgun shell





Parts of a shotgun shell

Shotgun Shells

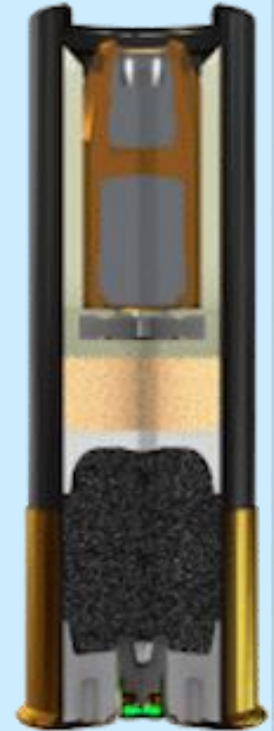
Birdshot



Buckshot



Slug





Shot Sizes and Use

Shot Size			
identification no.	Shot diameter (inches)	number of lead shot in an ounce	Common uses
No. 9	.08	585	Skeet, woodcock, quail
No. 8	.09	410	Trap, skeet, dove, quail, woodcock
No. 7 ^{1/2}	.095	350	Trap, dove, grouse, quail, pheasant, crow
No. 6	.11	225	Grouse, pheasant, rabbit, squirrel, crow
No. 5	.12	170	Pheasant, grouse, rabbit, squirrel, turkey
No. 4	.13	135	Ducks, turkey
No. 2	.15	90	Turkey, ducks



Shot Sizes

Lead shot sizes:	12	9	8 1/2	8	7 1/2	6	5	4	2	BB
Pellet diameter (inches)	.05	.080	.085	.090	.095	.110	.120	.130	.150	.180
(mm)	1.27	2.30	2.16	2.29	2.41	2.79	3.05	3.30	3.81	4.57

Buck shot sizes:	No. 4	No. 3	No. 2	No. 1	No. 0	No. 00	No. 000
Pellet diameter (inches)	.24	.25	.27	.30	.32	.33	.36
(mm)	6.10	6.35	6.86	7.62	8.13	8.38	9.14

Steel shot sizes:	6	5	4	3	2	1	Air Rifle	BB	BBB	T	F
Pellet diameter (inches)	.11	.12	.13	.14	.15	.16	.177	.18	.19	.20	.22
(mm)	2.79	3.05	3.30	3.56	3.81	4.06	4.49	4.57	4.83	5.08	5.59

Note: the size of shot, whether lead or steel, is based on American Standard shot sizes. Thus, a steel No. 4 pellet and a lead No. 4 pellet are both .13 inches (3.3mm) in diameter.





Types of shotgun shells

Muzzle Loader

Shotgun Loads

Shotgun

54 Caliber 50 Caliber 50 Caliber 45 Caliber

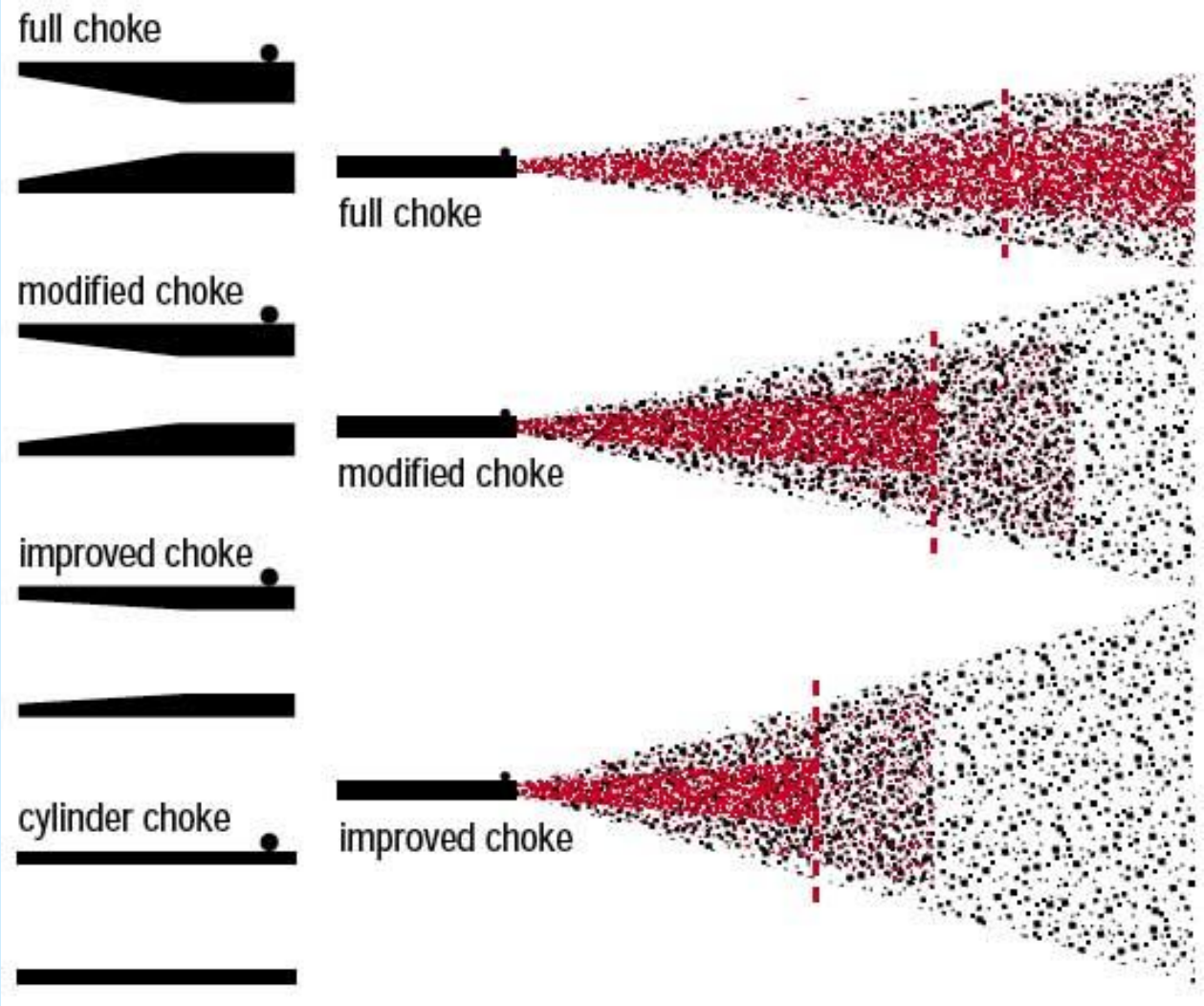
Birdshot BB Shot 4 Buck 00 Buck Slug Slug

410 Gauge 2 3/4" 410 Gauge 3" 32 Gauge 28 Gauge 2 3/4" 28 Gauge 3" 24 Gauge 20 Gauge 2 3/4" 20 Gauge 3" 20 Gauge 3 1/2" 16 Gauge 2 3/4" 16 Gauge 3" 12 Gauge 2 3/4" 12 Gauge 3" 12 Gauge 3 1/2" 10 Gauge 3" 10 Gauge 3 1/2" 8 Gauge





Choke Tubes





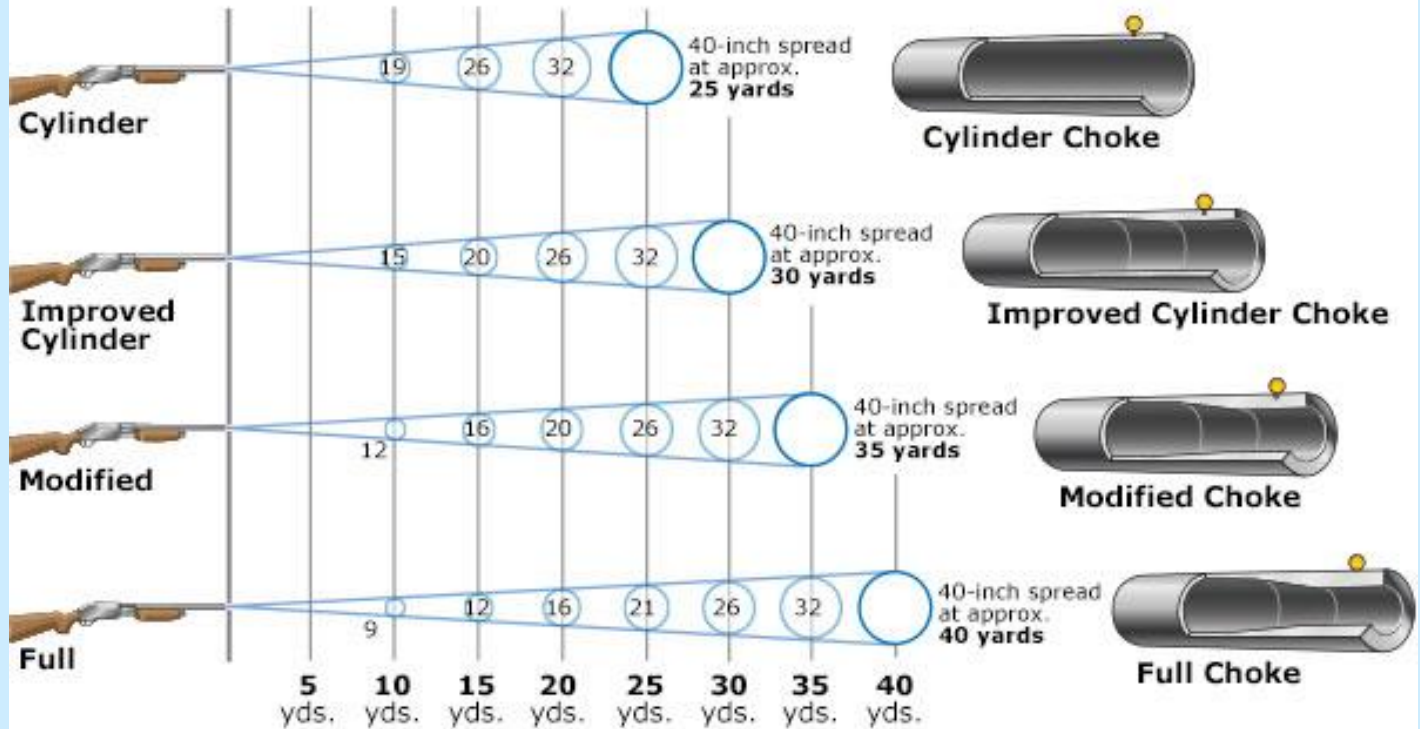
Choke Tubes



Effect of Choke on Shot String at Various Distances

Circles represent the diameter of a lead shot string (in inches) as distance (in yards) increases.

Bore narrowing is exaggerated for clarity.





Choke Tubes



A choke is a tapered constriction of a shotgun barrel's bore at the muzzle end. Chokes are almost always used with modern hunting and target shotguns, to improve performance. Its purpose is to shape the spread of the shot to gain better range and accuracy.



Identify and explain the fundamentals of safely shooting a shotgun. Explain what a misfire, hangfire, and squib fire are, and explain the procedures to follow in response to each.



Malfunctions

- Misfire
- Hangfire
- Squib Load



Misfire

When the firearm fails to fire.

Hold gun on target for 30 seconds then clear round.





Hangfire

When the firearm has a delay in firing.

Hold gun on target for 30 seconds then clear round.





Squib Load

When the round doesn't have enough powder to shoot the bullet or shot out of the barrel.

DO NOT chamber another round

Have someone check and clear the barrel



Demonstrate the knowledge, skills, and attitude necessary to safely shoot moving targets, using the fundamentals of shotgun shooting



Shotgun Fundamentals





Shooting Fundamentals

Determining the Dominant Eye



- Extend arms forward and form opening between the hands
- With both eyes open, look at a distant object through opening
- Bring hands to face while looking at object – Opening will be aligned with the dominant eye



Shotgun Shooting Fundamentals

1. Stance
2. Hold Point
3. Mount
4. See the Target
5. Swing
6. Pull the Trigger
7. Follow Through

Scouts will be shooting straight away targets





Shotgun Shooting Fundamentals

Stance

- Stance aligned with target breaking point.
- Feet about shoulder width apart, with toes on lead foot turned slightly outward.
- Knee of the lead bent slightly; back leg remains straight.
- Approximately 60 % of body weight on lead leg and 40 % on rear leg.
- Stance comfortable and balanced so that it may be maintained before, during, and after the shot.



Shotgun Shooting Fundamentals

Hold Point

- Know where the target will first appear and the direction it will be traveling.
- Your hold point will be aligned just under the flight path of target to allow a clear view of where the target will first appear.
- The shotgun is pointed at the hold point, but the eyes are focused on the area where the target will first appear.

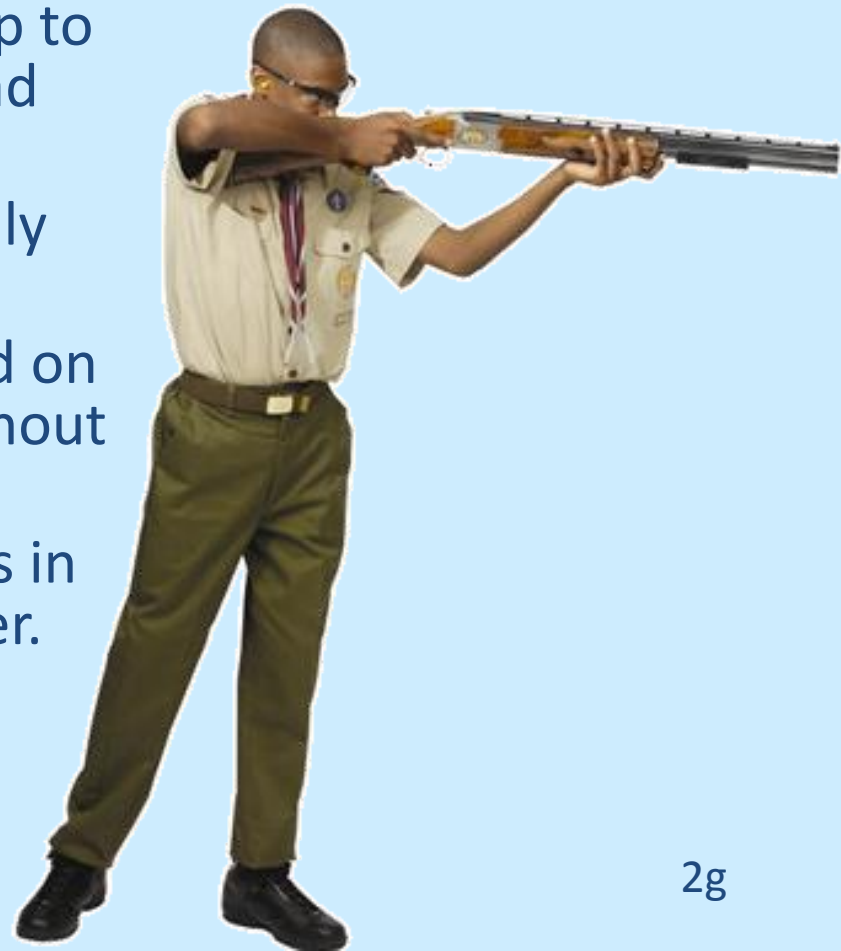




Shotgun Shooting Fundamentals

Mount

- The shotgun is brought up to your face to keep the head erect level.
- The cheek is pressed firmly against the stock.
- The head is as far forward on the comb as possible without straining the neck.
- The butt of the shotgun is in the pocket of the shoulder.

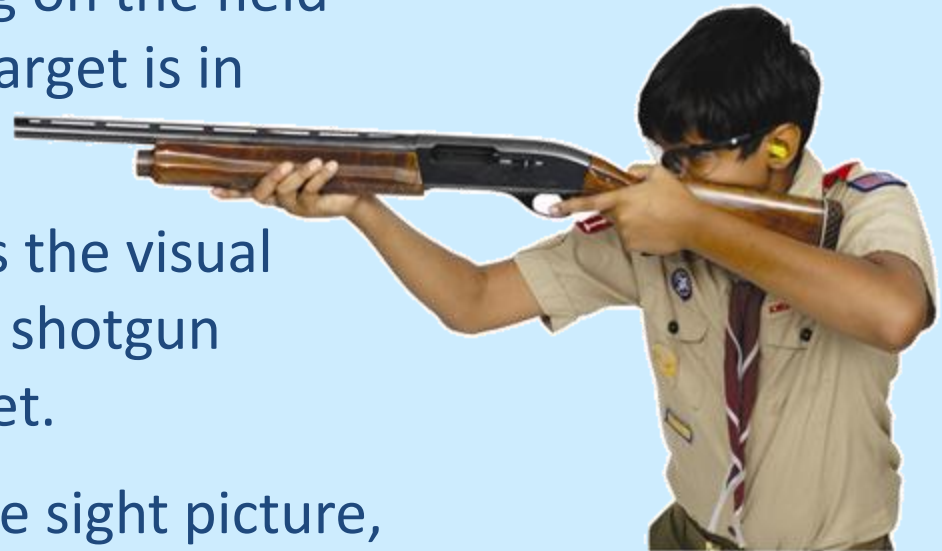




Shotgun Shooting Fundamentals

See the Target

- The target must be seen clearly at the earliest point possible.
- You must be looking past the beads and focusing on the field of fire where the target is in focus.
- The Sight Picture is the visual relationship of the shotgun muzzle to the target.
- When acquiring the sight picture, the focus must be on the target.





Shotgun Shooting Fundamentals

Swing

- The swing begins with the shotgun already mounted on the shoulder.
- When the target is clearly seen, the shotgun is pointed at the target.





Shotgun Shooting Fundamentals

Trigger Pull

- The trigger must be pulled the instant the sight picture is correct (the target and the muzzle meet) for straight away targets.



Shotgun Shooting Fundamentals

Follow Through

- Follow-through means continuing to do everything that was being done at the time the shot was fired.
- The swing must continue if the shot pellets are to hit the target. The trigger is pulled while the shotgun is moving, and the gun must continue to move after the shot is fired.





Shotgun Shooting Fundamentals

Most Important fundamental

The most IMPORTANT shotgun shooting fundamental is.....

- See the Target “Focus on the target”

You must learn to concentrate on the target.





Shotgun Shooting Fundamentals Practice

Practice the fundamentals without a shotgun.





Shotgun Shooting Fundamentals Practice

Practice the fundamentals with a shotgun. Follow all safety rules.





Identify the materials
needed to clean a shotgun





Cleaning Your Gun

- Make sure gun is unloaded and empty
- Have all ammunition removed from area before cleaning



Cleaning Your Gun

- Bore Snake
- Cleaning Rods and Patches
- Read the owners manual to learn how to clean the shotgun properly
- Repairs need to be done by experts





Demonstrate how to clean a shotgun safely





Discuss what points you would consider in selecting a shotgun





Selecting a Gun

- Purpose
- Action
- Stock Fit
- Barrel Length
- Sights
- Weight
- Cost
- Rent before you purchase
- Easy to clean



Demonstrate Firearm Operation

Instructor demonstration only

- Loading with Dummy Ammo
- Cocking
- Firing “Dry-fire only” with Dummy Ammo
- Unloading





Range Safety Briefing

Gun Safety Rules

1. Always keep the gun pointed in a safe direction.
2. Always keep finger off the trigger until ready to shoot.
3. Always keep the gun unloaded until ready to use.

SAFETY FIRST

- * **ALWAYS** keep the gun pointed in a safe direction.
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Range Safety Briefing

- Range Layout
- Ready Area
- Shooting Station
- Target Path
- Down range shot drop zone
- Commands





Range Safety Briefing

Other Safety Rules

- Know your target and what is beyond
- Wear eye and ear protection as appropriate
- Never use alcohol or drugs before or while shooting
- Be aware that certain types of guns and many shooting activities require additional safety precautions

Range Commands

- “Commence Firing”
- “Cease Firing”
- “Pull”
- “Range is HOT”
- “Range is Cold”



At the Shooting Station

One instructor will be at each firing point.

1. Watch straightaway target.
2. Point finger at the target all the way to the ground.
3. Point finger and say “bang” on touching target.
4. The instructor will hold the shotgun by the forearm.
5. Place your hands on the grip. When you have control of the shotgun, say “Thank you” and the instructor will let go.
6. You will then Dry-fire. **TAKE YOUR TIME.** Focus on safety and the shooting fundamentals. When you are comfortable, tell the Instructor you are ready to shoot.
7. You will Live-fire the prescribed number of shoots.



Shooting Requirement

- Hit at least 12 (48 percent) out of 25 targets in two 25-target groups.
- The two groups need not be shot in consecutive order.
- A minimum of 50 shots must be fired.





Any questions?

