



Name: _____

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Welcome to the National Museum of the United States Air Force!

This Virtual Tour (VT) Scavenger Hunt will lead you through the Cold War Gallery online at the NMUSAF website. Follow the directions and look for the clues and answers. Answer as many questions as you can. To begin, make sure you are familiar with the navigation tools at the bottom of your screen toolbar. Use the “?” to help you learn them. You will need to navigate them to find the answers to your questions. Check your answers AFTER you have completed the questions.

Start with the first slide in the Cold War Gallery and progress forward. Point to different items and use the “Hand” icon to open new windows.

Begin the tour at the entrance to the *Cold War Gallery*. Look below the Red “Mushroom Cloud” and start with the Mark 41 Thermonuclear Bomb. Click on it and then the **“click here to learn more”**. This will be the normal procedure for the VT as you move to each exhibit. Good luck!

1. Why did the Mk-41 Thermonuclear “hydrogen” bomb use parachutes to retard its fall?
 - a) To speed the delivery of the bomb
 - b) Enabling the aircraft to delivery it at very low altitudes
 - c) Permitting the releasing plane added time to safely escape the area
 - d) All of the above

2. What makes the Convair B-36J Peacemakers propulsion system different than other aircraft?
 - a) It used all jet engines
 - b) It used a combination of jet(J) and rotary(R) engines
 - c) It had 12 conventional turbo charged rotary engines
 - d) It used 10 nuclear powered engines for long range capability

 3. The Clarktor-6 Towing Tractor was used by the USAF for what main purpose?
 - a) For moving munitions of all types
 - b) To tow large aircraft on the flightline
 - c) Allowed towing of ground support equipment “only”
 - d) None of the above

 4. Look at the Avro CF-100 Mk-4A Canuck. This aircraft was Canadian-built and its main mission was to?
 - a) Be a heavy bomber
 - b) Serve as an electronic warfare aircraft
 - c) To become part of the old North America Air Defense (NORAD) system
 - d) Able to reach high ceilings of 50,000+ ft. to be undetectable by enemy radar
- (Hint:) Look up for the T-34A Mentor.*
5. The T-34A Mentor was ordered into production by the USAF in early 1953. In the late 1950s it was replaced by the T-37s. What happened to many of the T-34s as they were being replaced?
 - a) They were all removed from service
 - b) They were sold by the U.S. to foreign militaries
 - c) Most T-34s went to Museums as static displays
 - d) They were turned over to base aero clubs

 6. How did the QA-12 Duck gets its nickname as the Candy Clipper?
 - a) It delivered emergency food across enemy lines
 - b) It brought a little candy for nurses
 - c) It delivered candy to children during the holidays
 - d) It provided food to the homeless in several campaigns

7. Many FR-84K Thunderflash aircraft experienced near disasters, what was the primary issue?
- a) Separating or hooking back up to the GRB-36 carrier aircraft
 - b) Weight and balance problems when loaded with conventional bombs
 - c) It required very long runways to establish required take off speeds
 - d) Aircraft engines were under powered for the weight of the aircraft
8. The Grumman HU-16B Albatross established a world altitude record for twin-engine amphibians reaching _____ feet on July 4, 1973.
- a) 28,000 feet
 - b) 29,700 feet
 - c) 32,883 feet
 - d) 36,000 feet
9. Where did the Boeing KC-97L Stratofreighter displayed at the Museum get its name of the Zeppelinheim?
- a) In honor of the 1st German pilot who died during a refueling accident
 - b) In memory of Ohio's Air National Guard Commander
 - c) From a town near Rhein-Main Air Base in West Germany
 - d) A Museum in Germany where the aircraft came from prior to WPAFB

(Hint:) Beside the Stratofreighter is the Republic F-84F Thunderstreak

10. In the late 1950s, the U.S. Air Force replaced the F-84Fs with F-100s and the Thunderstreaks went to Air National Guard units. Why were some of the F-84s returned back to USAF service?
- a) To be used in the Tet Offensive
 - b) Due to the Berlin crisis
 - c) Didn't meet the operational needs of the National Guard demands
 - d) They were better made than the supersonic F-100s
11. What year did the last Boeing WB-50D officially retire and where is it located now?
- a) 1965, at the National Museum of the United States Air Force, WPAFB
 - b) 1965, at the Naval Air Station Museum Pensacola, Fla
 - c) 1964, Strategic Air Command Headquarters Offutt AFB, Nebraska
 - d) 1964, Air Force Aviation Museum, Colorado Springs, CO

12. The Convair B-58A Hustler on display at the NMUSAF set three of these records?
- a) Speed
 - b) Distance
 - c) Payload
 - d) Longevity
13. In the fall of 1961 Tactical Air Command (TAC) was called into action to Europe because of the Berlin Crisis. When did the crisis end and the personnel return to the United States?
- a) Spring of 1962
 - b) Summer of 1962
 - c) Winter of 1963
 - d) Spring of 1963

*(Hint:) For **bonus question 1** below, if you do not know what an AC-130A Gunship is “search” our website*

14. **Bonus Question 1:** (In slide 12/18) What is the aircraft tail number on the AC-130A Gunship?
- a) 46130
 - b) 46150
 - c) 41603
 - d) 41630
15. **Bonus Question 2:** (Hint: You will have to search our website for aircraft by Galleries to find this answer). The Bell-Boeing CV-22B Osprey can transport 24 troops seated or how many pounds of cargo?
- a) 10,000 lbs.
 - b) 11,000 lbs.
 - c) 12,000 lbs.
 - d) 12,500 lbs.

Continue looking around each slide as you progress. Once you get to slide #15 click on The Battle at Takur GHAR screen, Battlefield Airmen Overview, and turn to your left for the Battlefield Airmen (Roberts Ridge).

16. Who was posthumously awarded the Medal of Honor by President Trump on August 22, 2018 for heroism?
 - a) Senior Airman David Kindsley
 - b) Major Joseph Calderon
 - c) Lt. Belinda Rodriguez
 - d) Tech. Sgt. John A. Chapman

17. What is the Armament capability of the MH-53M Pave Low IV aircraft used in the Southeast Asia War?
 - a) Combination of three 7.62mm mini-guns and three .50-cal guns
 - b) Combination of three 7.62mm mini guns or three .50-cal guns
 - c) Two 20mm lightweight Gatling guns
 - d) Chaff and Flare munitions for countermeasures only

18. Air Force Explosive Ordnance Technicians are highly trained to disarm ordnance and investigate suspicious packages. Their extreme demanding training goes on where in the United States?
 - a) Pensacola NAS
 - b) Joint Base Pearl Harbor-Hickam
 - c) Joint Base Langley-Eustis
 - d) Eglin AFB

19. Walls Panels from Southwest Asia are graffiti-covered panels often humorous that the troops designed to show their presence from what location?
 - a) Al Sober Air Base, Qatar
 - b) Al Gator Air Base, Qatar
 - c) Al Humor Air Base, Qatar
 - d) Al Udeid Air Base, Qatar

20. Some of the main core missions of the Prime Readiness In Base Services (RIBS) teams when deployed are?
 - a) Honor Guard
 - b) Welfare and recreational services
 - c) Measuring and cutting flightline
 - d) Both a and b
 - e) All the above

21. Temper Tents coverings are designed with special coatings to help make them?
- a) Easier to assemble
 - b) Invisible to modern night vision technology
 - c) Last years longer in desert/sandy conditions
 - d) Help conceal it from surveillance
22. The Northrop B-2 Spirit typically can carry how many pounds of precision weapons in a combat mission?
- a) 20,000 lbs.
 - b) 40,000 lbs.
 - c) 50,000 lbs.
 - d) None of the above
23. Why does the B-2 have “Fire and Ice” artwork painted on the nose landing gear?
- a) To identify it has been around the world in all climates
 - b) To signify the test results of both hot and cold conditions
 - c) To confirm it can withstand -75 to 120 degrees Fahrenheit temperatures
 - d) To confirm it can withstand -80 to 150 degrees Fahrenheit temperatures
24. The SR-71A, unofficially known as the “Blackbird” in its nearly 24-year career remained the world’s fastest and highest-flying operational aircraft. From 80,000 feet, it could survey how many square miles of the Earth’s surface per hour?
- a) 75,000
 - b) 90,000
 - c) 100,000
 - d) 120,000
25. Known for Mach 3+ speeds, the SR-71A has two _____ engines each producing _____ lbs. of thrust each with afterburner?
- a) General Electric J58s, 30,000
 - b) General Electric J59s, 35,000
 - c) Pratt & Whitney J59s, 30,000
 - d) Pratt & Whitney J58s, 32,500

CONGRATULATIONS! YOU HAVE FINISHED THIS VIRTUAL TOUR
SCAVENGER HUNT. WE HOPE YOU ENJOYED LEARNING ONLINE
ABOUT MANY OF THE FASCINATING AIRCRAFT ON EXHIBIT AT THE
NATIONAL MUSEUM OF THE UNITED STATES AIR FORCE!



NMUSAF Virtual Tour (Cold War) Answer Sheet

1. C
2. B
3. D
4. B
5. D
6. B
7. A
8. C
9. C
10. B
11. A
12. A
13. B
14. D
15. A
16. D
17. B
18. D
19. D
20. D
21. D
22. B
23. B
24. C
25. D