

Space Race

Cold War

- After World War II, two _____ emerged - the United States and the Soviet Union.
- Competition in _____.
- The war was called "Cold" because there was no direct fighting
- US represents _____.
- Soviet Union represents _____

Nuclear Weapons (1949)

- Both side sought faster, safer delivery systems than aircraft - leading to the need for _____.
- Early research into _____ begins.

ICBMs (1950)

- ICBM stands for _____.
- Both sides realized that the same technology could send _____ into orbits (such as satellites)

U.S ANNOUNCES SATELLITE PLAN (1955)

- (Eisenhower) announced plans to launch a _____ during the International Geophysical year (1957 - 1958), using ICBM technology.
- The project was led by the U.S Navy

SPUTNIK 1 (1957)

- Soviet launch _____, A tiny _____ KG Satellite by R7 missile
- Its success _____ the western world and _____ ignited the space race
- Remainder: Soviet launch the satellite before US NAVY

Western's Reactions

- This news exploded like a nuclear bomb in Western _____.
- Many people realized that the Soviet Union's technology was capable of _____ that the West had never _____.

US respond to the SPUTNIK 1(1958)

- The Soviet Union's achievements did not cause us any _____; they simply sent a small ball into space.
- Finally, three month later, the United States sent an even _____ satellite to the space
- In order to counter the Soviet Union, President Eisenhower consolidated resources and established _____.

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- Aboard _____, the first manned spacecraft
 - Completed one _____ around Earth in 108 minutes

US respond to Gagain (1958)

- 23 days after Gagarin, _____ went to space by spacecraft Freedom 7
- _____, reached 108 miles in altitude
- Soviet press downplayed it as a short "Up and Down" hop

Apollo Project (1962)

- Started after Kennedy's 1961 Moon goal
- Hired _____ peoples (36,000 NASA staffs and 375,000 contractors from companies such as Boeing and Lockheed Martin)

Apollo 1 fire (1967)

- _____ caused the pure oxygen command module to
- _____ killed - safety overhaul

The road to the moon (1968 - 1969)

- Apollo ____: First crew to orbit the moon (Dec 1968)
- Apollo ____: tests Lunar Module in Earth Orbit (Mar 1969)
- Apollo ____: full "Dress rehearsal" (May 1969)

Apollo 11

- July 20 1969: _____ landed on the moon
- Soviet: never _____ to compete with the United States in landing on the moon

Student activity / practice for the test

instruction

- Using your notes to fill in the blanks in the sentences
- Then, arrange it by timeline.

- A. The first **human spaceflight** — _____ aboard *Vostok 1*.
- B. The **United States** established _____ to organize its space program.
- C. Apollo _____ became the first crewed mission to **orbit the Moon**.
- D. The **Soviet Union** successfully tested its first **atomic bomb** (*RDS-1*).
- E. _____ became the first **American in space** aboard *Freedom 7*.
- F. Both US and USSR started to develop ICBMs
- G. President **Kennedy** announced the goal to _____ before 1970.
- H. The **Soviet Union** launched _____, the first **artificial satellite**.
- I. The **United States** publicly announced a plan to _____ during the International Geophysical Year.
- J. Apollo _____ astronauts **landed on the Moon**, achieving Kennedy's goal.

Write your answers here:

Example. 1. 1945 K - Event k happened in 1945 and be the first in the timeline

1. 1949 _____
2. 1950 _____
3. 1955 _____
4. 1957 _____
5. 1958 _____
6. 1961 _____
7. 1961 _____
8. 1961 _____
9. 1968 _____
10. 1969 _____