

SATELLITES



- **What is satellite ?**
- A satellite is basically an object that revolves around another object of a relatively large size....they can be natural or artificial

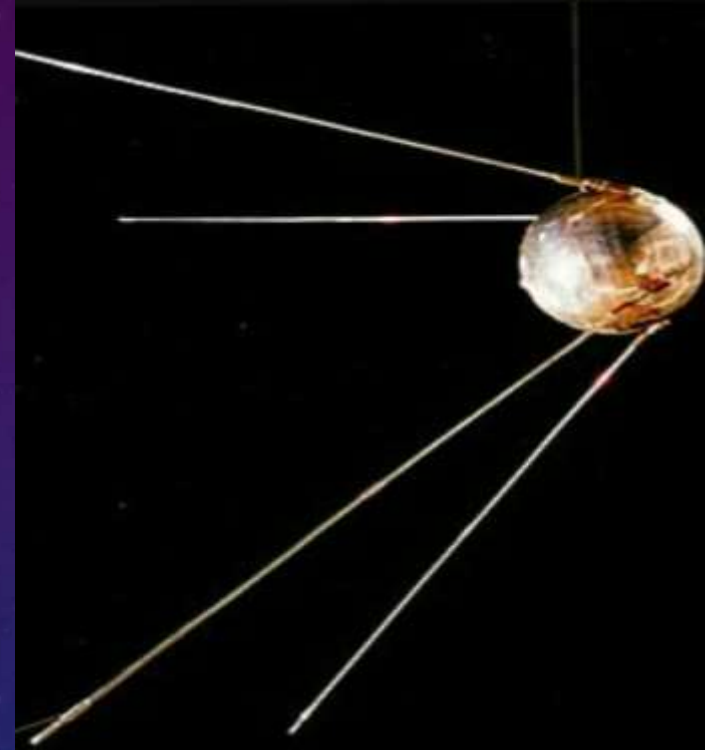


Artificial satellite

- An artificial satellite is an object that has been intentionally placed into orbit. These objects are different from natural satellites such as Earth's Moon.
- NASA describes an artificial satellite as a manufactured object that continuously orbits earth or some other body in space.
- Most Artificial Satellites orbit Earth

History of artificial satellite

- On Oct 4, 1957. The soviet union launched 1st artificial satellite called Sputnik.
- It transmitted radio signals that could be received on Earth.
- On Nov 3, 1957 the soviets launched a 2nd Satellite Sputnik 2.
- It carried a dog named **Laika**, the first animal soar in space.



- U.S launched its 1st Satellite Explorer 1, on Jan 31 1958, & 2nd Vanguard 1 , on March 17,1958
- Since Then About 8000 Artificial Satellites Have Been Launched Till Date



The background features a dark blue gradient with a starry space pattern. On the left side, there are several technical diagrams, including circular gauges with numerical scales (140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260) and various circular paths with arrows indicating direction. The main text is centered on the right side.

TYPES OF ARTIFICIAL SATELLITES

CLASSIFIED ON THE BASIS OF
THEIR MISSION

Scientific Research Satellite

- Collect data for scientific analysis
- Most of these satellites operate on low altitude
- Also orbit the other planets like Mars and moon etc



Weather satellites

- It helps scientists study of weather patterns
- It observes the atmosphere and climate change and conditions



Communication Satellites

- These satellites serves a relay stations, receiving radio signals from one location and transmitting them to another.



Navigation satellites

Enables operator of aircraft, ships and land vehicles anywhere on the earth to determine their locations with great accuracy.



Earth observing Satellites

- Used to map and monitor our planet's resources and ever changing chemical life cycles.

Military Satellite

- It includes weather, communication, navigation and earth observing satellite used for military purpose
- Spy satellite
- Some carries weapons like missiles

