# **BALLISTIC MISSILE VS. CRUISE MISSILE**



### **BALLISTIC MISSILE**

- Follows a ballistic trajectory without active propulsion.
- These weapons are guided only during relatively brief periods of flight.
- Path depends on velocity, gravity, air resistance, and Earth's motion.

#### **CRUISE MISSILE**

- Guided missile (target has to be pre-set) used against terrestrial targets.
- Remains in the atmosphere throughout its flight.
- Designed to deliver a large warhead over long distances with high precision.

#### **TYPES**

- Short-range (tactical) ballistic missile: Range 300 km to 1000 km.
- Medium-range (theatre) ballistic missile: 1,000 km to 3,500 km.
- Intermediate-range (Long-Range) ballistic missile: 3,500 km and 5,500 km.
- Intercontinental ballistic missile: 5,500 km +

# TYPES (BASED ON SPEED)

- Hypersonic (Mach 5): Travel at least five times the speed of sound. E.g. BrahMos-II.
- Supersonic (Mach 2-3): Travel faster than the speed of sound. E.g. BrahMos.
- Subsonic (Mach 0.8): Travel slower than the speed of sound. E.g. Nirbhay.

## **BALLISTIC MISSILE AND CRUISE MISSILE: DIFFERENCES**

