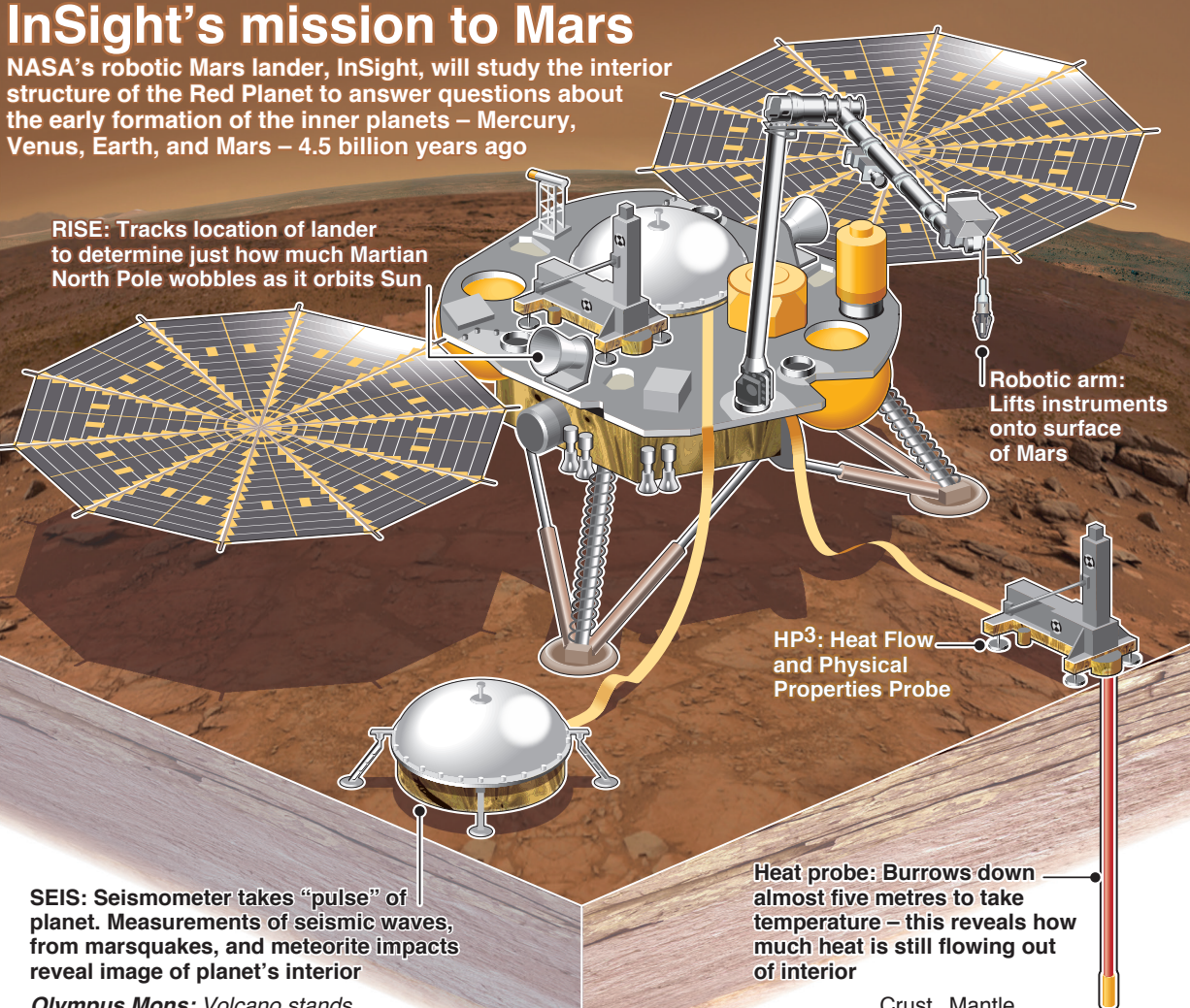


# InSight's mission to Mars

NASA's robotic Mars lander, InSight, will study the interior structure of the Red Planet to answer questions about the early formation of the inner planets – Mercury, Venus, Earth, and Mars – 4.5 billion years ago

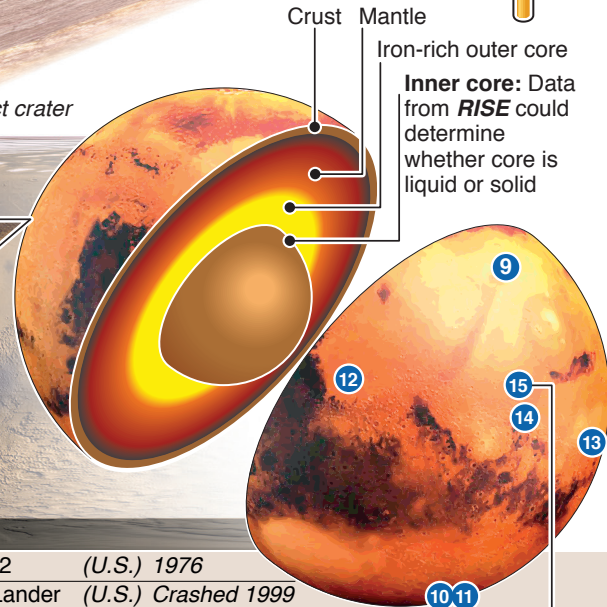
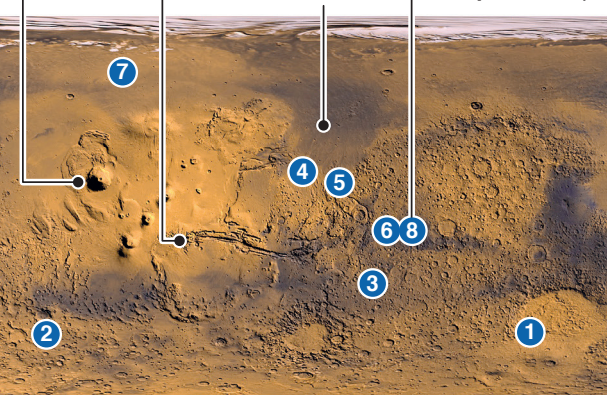


**Olympus Mons:** Volcano stands 624km in diameter and 25km high

**Valles Marineris:** 4,000km-long canyon system

**Acidalia Planitia**

**Schiaparelli:** Impact crater



## MARS LANDINGS

|                                 |        |              |                 |        |              |
|---------------------------------|--------|--------------|-----------------|--------|--------------|
| 1 Mars 2                        | (USSR) | Crashed 1971 | 9 Viking 2      | (U.S.) | 1976         |
| 2 Mars 3                        | (USSR) | Failed 1971  | 10 Polar Lander | (U.S.) | Crashed 1999 |
| 3 Mars 6                        | (USSR) | Crashed 1973 | 11 Deep Space 2 | (U.S.) | Crashed 1999 |
| 4 Viking 1                      | (U.S.) | 1976         | 12 Beagle 2     | (UK)   | Failed 2003  |
| 5 Sojourner                     | (U.S.) | 1997         | 13 Spirit       | (U.S.) | 2004         |
| 6 Opportunity                   | (U.S.) | 2004         | 14 Curiosity    | (U.S.) | 2012         |
| 7 Phoenix                       | (U.S.) | 2008         | 15 Mars InSight | (U.S.) | Nov 2018     |
| 8 Schiaparelli EDM (ESA/Russia) |        | Crashed 2016 |                 |        |              |

**Landing site:** Western portion of Elysium Planitia – flat, smooth plain suitable for burrowing