

The space shuttle was made to take astronauts and cargo to and from Earth orbit.

Jobs of the shuttle:

- **Carry Astronauts into space to work on the Hubble Space Telescope and the International Space Station**
- **Launched satellites**
- **It's a science laboratory while orbiting Earth**





WHEN_WE_LEFT_EARTH_The_NASA_Missions_A_Home_in_Space
(17:38-48:12)
<https://www.youtube.com/watch?v=dBt9OC8fiJk>

Space Stations

A **space station** is a spacecraft capable of supporting a crew which is designed to remain in space for an extended period of time, and to which other spacecraft can dock.

As of October 2011 two space stations are in orbit;
the International Space Station, and China's
Tiangong 1

<https://www.youtube.com/watch?v=OqTmSFkBqkg>



The Space Shuttle *Challenger* disaster occurred on January 28, 1986, when Space Shuttle *Challenger* broke apart 73 seconds into its flight, leading to the deaths of its seven crew members. The spacecraft disintegrated over the Atlantic Ocean, off the coast of central Florida



The **Space Shuttle *Columbia* disaster** occurred on February 1, 2003, when shortly before it was scheduled to conclude its 28th mission, the Space Shuttle *Columbia* disintegrated over Texas and Louisiana during re-entry into the Earth's atmosphere, resulting in the death of all seven crew members

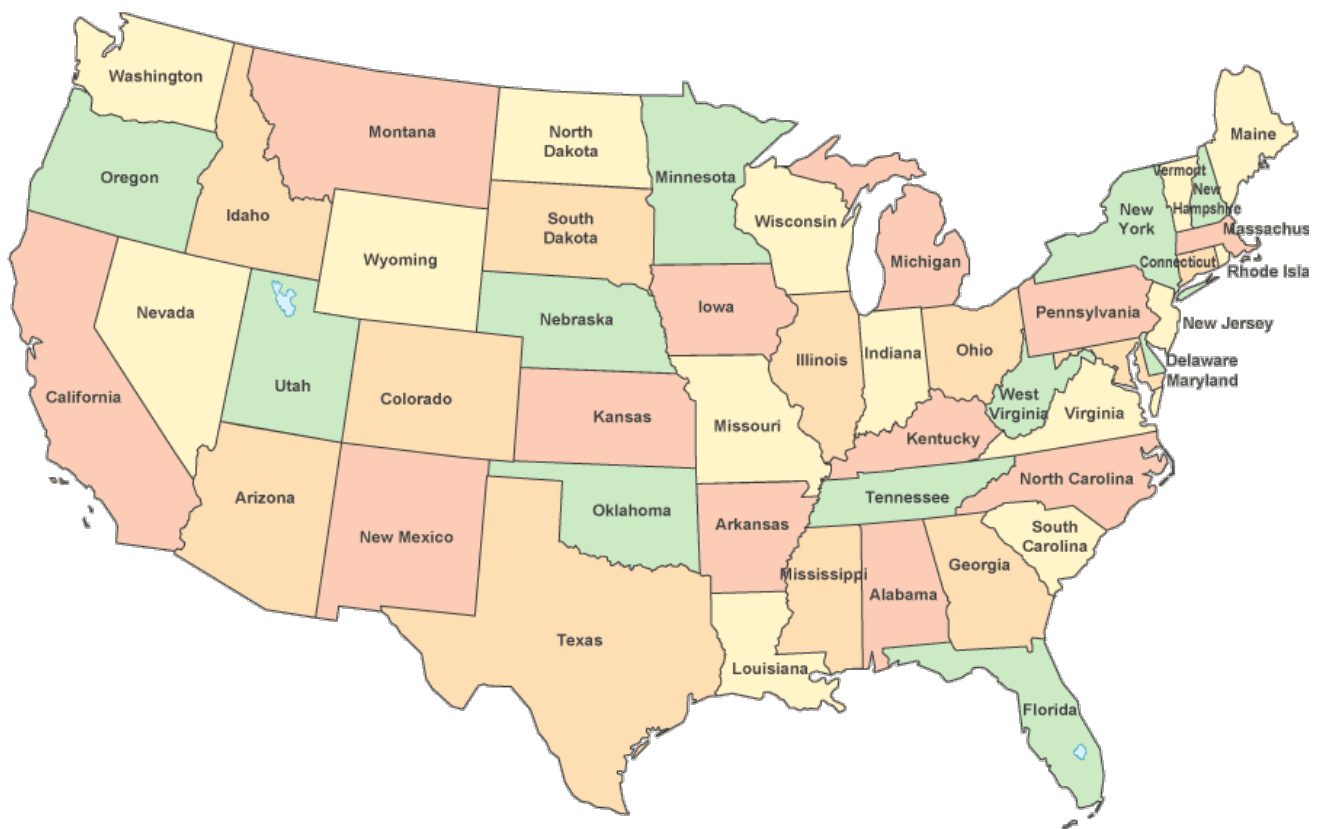


The loss of *Columbia* was a result of damage sustained during launch when a piece of foam insulation the size of a small briefcase broke off from the Space Shuttle external tank

<http://www.youtube.com/watch?v=h9R131hl4zI>



Debris from Columbia were found in Texas, Arkansas and Louisiana





FULL DOCUMENTARY PBS Columbia Space Shuttle Disaster

<https://www.youtube.com/watch?v=7mEwf3vG8cc>

<http://www.youtube.com/watch?v=6R4ctaCBapM>

2 min reentry

<http://www.pbs.org/wgbh/nova/space/space-shuttle-disaster.html>



https://www.youtube.com/watch?v=kAJHVII3_-0



095 Comets and Meteors





Asteroids are made up of thousands of small rocky objects. Large meteoroids

Asteroid belt is the ring of asteroids.
There is an asteroid belt found between Mars and Jupiter.

How Have Astronomers Been Able to Study the Surface of Venus.docx