Have you ever used Google Earth to take a 3-D look at your hometown? Satellites collect those images, and WorldView-3 is the newest satellite to do this job. An Atlas V rocket launched WorldView-3 into space in August 2014.

WorldView-3 will orbit Earth 380 miles (617 km) above us, covering all of Earth's surface every couple of days. Ball Aerospace built the WorldView-3 satellite bus for DigitalGlobe. Ball also built CAVIS, an on-board device that will improve images taken through hazy atmosphere.

Look at the descriptions below and then label the WorldView-3 parts.

- **Solar arrays**—Provide the satellite’s power.
- **Antenna**—Sends and receives radio signals to and from Earth.
- **Radiators**—Spread heat away from the satellite so it doesn’t get too hot.
- **Star trackers**—Steer the satellite by using star patterns.
- **Telescope**—Captures images by focusing light onto a sensor.
- **Bus**—Carries the telescope and all the basic satellite parts (computer, batteries, gyroscopes, and so on).
- **CAVIS**—Improves images gathered through haze, soot, and dust.
Solar arrays
Bus
Star trackers
Telescope*
CAVIS (Cloud, Aerosol, Water Vapor, Ice, Snow device)
Radiators
(These are just two of the many radiators.)
Antenna
(This is one of four antennas.)

*Built by Exelis.