

PLANETS

Science Notebook

Remote Sensing of Mars

Name: _____

Science Context-Setting Activity

Remote Sensing Technologies

Match each remote sensing technology with what it does.

Remote Sensing Technology

x-ray or [CAT scan](#)

Automatic door

[HiRISE](#) camera

[LiDAR](#)

What the Technology Does

Makes images of the Mars surface and sends them to Earth

Makes a three-dimensional image of the Mars surface to make a map

Opens doors without you touching them

Looks inside your body without cutting you open

Did You Know?

Many remote sensing instruments measure temperature, such as the Lunar Reconnaissance Orbiter Diviner instrument and the Mars Odyssey THEMIS (Thermal Emission Imaging System) instrument. These devices can check the temperature of a planet from far away, just as a nurse can use an infrared thermometer to check your temperature without touching you!