

Name _____

Reading About Olympus Mons Answer Key

1. Olympus Mons is located on **Mars**.
2. It is nearly **three times taller than Mount Everest**.
3. Olympus Mons grew so large because **Mars does not have moving tectonic plates**, so lava built up in one place for millions of years.
4. Olympus Mons formed from **gentle, long-lasting lava flows**.
5. Olympus Mons helps scientists understand **how volcanic activity shaped Mars and its surface features**.

Reflection Question (Sample Answer):

Exploring Olympus Mons would be challenging because of its massive size and the thin atmosphere on Mars. However, it would give astronauts the opportunity to study volcanic rocks and learn about Mars' history. They might also discover signs of past water or lava channels that could reveal more about the planet's environment.