Name _____

Unveiling the Mysteries of Our Moon's Surface

Short Answer Key

1. Answers may include descriptions of lunar plains, mountains, and craters, highlighting their role in lunar geology.
2. Regolith is a layer of dust and loose material formed by meteorite impacts. It is significant for lunar exploration as it may contain resources, and its loose texture can be challenging for spacecraft and astronauts.
3. Common lunar rocks and minerals include basalt and anorthosite. Basalt is a volcanic rock, while anorthosite is a type of igneous rock characterized by its high content of a mineral called plagioclase feldspar.
4. Impact craters help scientists understand the frequency and intensity of collisions with space debris over time, providing insights into the Moon's history and the history of our solar system.
5. Challenges for astronauts on the Moon might include navigating rough terrain, managing regolith dust, and ensuring equipment durability.