

**Layered Book**  
**Notes for 22.3**  
**Earth's Moon**

**Introduction (p. 630)**

**(page 1 left side)**

- 1) How is the gravitational force on the moon different than that experience on Earth?
- 2) How does that affect astronauts?

**The Lunar Surface (p. 631)**

**(page 1 right side)**

- 1) What is Latin for maria? What is maria on the moon?
- 2) Why doesn't the moon have weathering or erosion?
- 3) Why aren't there volcanos on the moon?
- 4) What smooth's out the landscape of the moon?

**Craters (p. 631-632)**

**(page 2 left side)**

- 1) How are craters produced?
- 2) Why doesn't Earth have craters?
- 3) How are craters formed?
- 4) What are rays?

**Highlands (p. 632)**

**(page 2 right side)**

- 1) What are highlands?
- 2) Where on the moon can you find a lot of highlands?
- 3) How tall are highlands?

**Maria (p. 632)**

**(page 3 right side)**

- 1) What is a mare?
- 2) How did maria originate?
- 3) What are rilles and what are they remnants of?

**Regolith (p. 632)**

**(page 3 left side)**

- 1) What is lunar regolith?
- 2) What is lunar regolith made of?
- 3) Where can you find lunar regolith on the moon?

**Lunar History (p. 633)**

**(page 4)**

- 1) Explain the giant-impact hypothesis.
- 2) What accounts for the lack of sizable iron core on the moon?
- 3) The moon evolved in three phases, what are those phases?
- 4) What generated enough heat to melt the moon's outer shell?
- 5) How old are the highlands on the moon?