2. What type of chemical or molecule is most common in Earth’s atmosphere? a. carbon dioxide; b. oxygen; c. water; d. nitrogen; e. hydrogen.

4. Why is Earth’s surface not riddled with craters, as is that of the Moon?

6. Describe the process of plate tectonics. Give specific examples of geographic features created by plate tectonics.

9. How do we know about Earth’s interior, given that the deepest wells and mines extend only a few kilometers into its crust?

21. What is a tidal force? How do tidal forces produce tides in Earth’s oceans?

22. What is the difference between spring tides and neap tides? During which phases do they occur?

41. What IF: The Moon orbited Earth in the opposite direction from Earth’s rotation, rather than in the same direction? What would be different about Earth and life on it? Assume that today the counter-revolving Moon is at the same distance as our Moon.

45. What IF? Earth were now in synchronous rotation with the Moon? That is, that the Earth rotated at the same rate as the Moon orbits it. What would be different about Earth and life on it?