

Mrs. Whittaker: Advanced Earth Science

Unit 1: Reading and Note Guide

Chapter 1, 29, and 28

Assignment 4

*Numbering continued from Assignment 3

Key Terms You Should See:

- Albedo
- Waxing
- Waning
- Synchronous Rotation
- Perigee
- Apogee

Read the sections indicated below and answer the questions given on a separate piece of paper. Questions should be answered in neat and complete sentences and numbered.

Read Pgs 754

17. What is “albedo”? What is the difference between the albedo of the moon and the Earth?

Read Pgs 756 - 757

18. Describe the three theories proposed for the formation of the moon – which one is currently most commonly accepted? What is the evidence that supports that theory?

Read Pgs 762 – 767

19. Illustrate the phases of the moon and label. Please take note of where the Sun and Earth are in relationship to the moon during each phase.

20. Why do we see different phases?

21. What is synchronous rotation and what does that result in?

22. Illustrate the Sun, Moon, Earth positions for spring and neap tides.

23. Illustrate the Sun, Moon, and Earth’s positions for solar and lunar eclipses.

24. Why doesn’t a solar or lunar eclipse occur every month? What is the most that can occur in a year?