

Space Cycles Test Review

Test Date: Friday, May 7

Vocabulary to know:

- Rotation
- Revolution
- Orbit
- Axis
- Equinox
- Moon Phase
- Solstice
- Solar Eclipse
- Lunar Eclipse
- Tilt
- Waxing
- Waning
- Crescent
- Gibbous
- New Moon
- Full Moon

Be able to:

1. Identify the Earth's shape
2. Compare and contrast rotation and revolution.
3. Explain the causes of the seasons.
4. Explain the causes of moon phases.
5. Diagram the 8 major phases of the moon in relation to the Earth and Sun.
6. Diagram the Earth's tilt as it moves around the sun.
7. Explain why we have day and night.



Types of questions on the test:

12 multiple choice (2 points each)

Example: It takes the Moon 27.3 days to rotate _____ on its axis.

- | | |
|----------|----------------|
| a. once | c. three times |
| b. twice | d. four times |

9 Completion (2 points each)

Example: The daylight hours are longer for the hemisphere tilted _____ the Sun.

5 Short answer—1 counts as extra credit. (5 points each)

Example: Explain how a solar eclipse occurs

1 Essay: (30 points)

Draw how the tilt of the Earth on its axis as it rotates and revolves around the Sun causes changes in seasons and the length of a day.

Study:

<http://www.science-class.net/Tutorials.htm>

Chapter 2 in textbook