

## Out of This World! Unit Pre/Post-Test

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Part 1:** Use the words in the Word Bank to complete the sentences below.

rotate	orbit	revolve	eclipse
axis	pole		

1. The oval-shaped path Earth takes around the sun is called a/an \_\_\_\_\_.
2. Earth takes 24 hours to \_\_\_\_\_. It takes 365  $\frac{1}{4}$  days to \_\_\_\_\_ around the sun.
3. The moon takes about a month to \_\_\_\_\_ around Earth.
4. Earth spins around its \_\_\_\_\_.

**Part 2:** Circle the correct answer.

5. When Earth spins around on its axis, we say it
  - a. revolves
  - b. rotates
  - c. orbits
  - d. phases
6. To travel in a closed path is to
  - a. revolve
  - b. rotate
  - c. spin
  - d. move
7. When the moon changes shapes it is going through a
  - a. star
  - b. phase
  - c. orbit
  - d. comet

8. An eclipse occurs when
  - a. the moon rises
  - b. the sun sets
  - c. one object in space hides another object in space
  - d. the moon rises while the sun is still out
  
9. What phase of the moon is shown in the diagram?



- a. waning gibbous
    - b. waxing gibbous
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10. **True or False:** A natural satellite that orbits a planet of called a comet.

**Constructed Response (30 points)**

*Answer the following questions using complete sentences.*

- 1) Why does the appearance of the moon change?

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2) Explain your understanding of the phases of the moon and how it impacts day and night as well as tidal changes.

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**Teacher Scoring Suggestions:**

Part 1 & Part 2= 70 points (7points each)

Constructed Response Section= 30 points total

#1) 14 points

#2) 8 points for day/night explanation & 8 points for seasonal explanation