Astronomy Study Guide

Illustrate the following terms and label everything in your diagram:

|  |  |
| --- | --- |
| Solar Eclipse | Lunar Eclipse |
| Phases of the moon | |

Answer the following questions:

1. What causes seasons?
2. What causes tides?
3. What causes day and night?
4. Why is a year about 365 days?
5. Explain several reasons why Earth can support life but no other (known) planets can.

Vocabulary

Explain each term in your own words:

Word Definition

|  |  |
| --- | --- |
| Equator |  |
| Solar System |  |
| Satellite |  |
| Atmosphere |  |
| Gravity |  |
| Rotation |  |
| Revolution |  |
| Phases of the Moon |  |
| Tides |  |

Answer the following questions:

1. Why are spring tides so much stronger than neap tides?
2. Write 4-5 complete sentences explaining what knowledge we have gained from space exploration and what space spin-offs we have (spin-offs are things we use in our daily lives that were originally designed for use in space or by NASA).