

Name: _____ Period: _____ Date: _____

The Moon – *Tides* Study Guide
Astronomy



Nerd Words:

1. Tides –
2. Differential Gravitational Force –
3. Tidal Bulge –
4. Spring Tide –
5. Neap Tide –

Review:

1. Explain the gravitational relationship between the Moon and Earth. (Who pulls on who?)
2. Where on Earth is the attraction of the Moon strongest? Weakest? Why?
3. What does gravity weaken with and why is that significant here? Explain.
4. Draw a diagram below that shows the gravity attraction between the Moon and Earth and how we see that on Earth's surface.
5. Where do we see tidal bulges on Earth? The Moon? Explain.
6. How many ocean tides take place within 24 hours and why is that? Explain WITH pictures.

7. Draw a diagram to HELP explain how a spring tide occurs. (This means we need to draw and write!)

8. Draw a diagram to help explain how neap tides occur.

9. How are neap and spring tides similar? How are they different? Explain.