



Short answer:

5. Name a pair of solar system bodies are in **tidal lock** with each other right now.

6. Name a solar system body that undergoes measurable **tidal heating**.

7. Sketch the Moon as best as you can. Determine the compass direction you are looking at the moon. Finally, give the date and time of the sketch.

8. Draw the Big Dipper (part of Ursa Major), and demonstrate, in the drawing, how that constellation can be used to find Polaris, the North Star.