

Quiz #01 Survey of Astronomy

PH314, 29 August 2007

There are not always right answers here. Just try your best...

1. Y/N Have you ever seen the Milky Way in the night sky?
2. Y/N Have you ever seen Mercury in the night sky?
3. Y/N Can you identify Ursa Major (the Big Dipper) at night?
4. Y/N Have you ever seen the Green Flash?
5. Y/N Can you find Polaris (the North Star)?
6. Y/N Have you ever seen a UFO – something that was really weird and you could not explain?

7. How many days does it take for the earth to go around the sun?

8. How many days does it take for the Moon to orbit the Earth?

9. How many days does it take for the Moon to rotate once on its axis?

10. What is the age of the Universe?
11. What is the major constituent of the Universe?
12. Given the following numbers: 1,2,3,4,5,6,7,8,9 What is the mean? What is the median? What is the standard deviation (do it if you have a calculator)?
13. When was the last lunar eclipse?
14. What planets can be seen in the evening tonight?
15. How many stars can you see from College Station on a clear night? Show me how you estimate it. Use your memory of a typical clear night here.

16. How many female undergraduates are at TAMU? Calculate it using the ratio of females to males in this room. Show me how you estimate it. Why is the answer wrong?

17. How many hot dogs are consumed at Kyle Stadium when the Aggies play UT in football? Show me how you estimate it.