

Astronomy 1, Section 24153 Final Assessment

5/20/09

In each case the answer can be expressed in just a few words. If you don't know the answer, leave blank.

1. What causes the seasons?

2. Why does the moon's image change shape?

3. What's the difference between a planet and star?

4. Why does Earth have a magnetic field?

5. How do we geometrically measure the distance to planets and nearby stars?

6. How do we measure the distance to stars that are much farther away?

7. What did Copernicus propose?

8. Name the eight planets in order from the sun.

9. What is gravity?

10. What is electromagnetic radiation?

11. How do both the gravitational and electronic force decrease with distance?
12. What atomic particles make up the elements in the periodic table?
13. What does it mean to say a value is quantized?
14. Why are the nearest stars so far away?
15. What's the difference between a star and a galaxy?
16. What's the name of our galaxy?
17. How long has our sun been burning? What is it burning?
18. How much longer will our sun burn before it dies? What will it become?
19. How long ago did the big bang happen?
20. What is a black hole?