

Name: _____ Period: _____ Date: _____

400 Years of the Telescope

1. Where is the Hooker Telescope located? _____
2. What did Edwin Hubble discover about the universe? _____
3. Who invented the telescope? _____
4. In 1609, Galileo observed what about the moon's surface? _____
5. What did the Greeks believe about celestial objects?

6. What did Copernicus suggest about our solar system? _____
7. What did Galileo observe about the sun? _____
8. Why was this a threat to the Catholic Church? _____
9. Newton in 1668, was the first to create a _____ telescope.
10. With the invention of photography in 1839, astronomers were now able to take photos with longer exposure that the human eye _____
11. What can star spectra tell about a star? _____
12. Scientists can look at light of galaxies that tell them how fast they are moving _____
13. Almost all galaxies are moving _____
14. What was the world's largest telescope? _____
15. Maunakea has how many telescopes? _____
16. Separate telescopes help to see more detail and can see in _____
17. New telescopes, like Pan-STARR, will have _____ billion megapixel digital cameras.
18. Pan-STARR telescopes could detect killer asteroid collisions _____ years before they collide with the Earth.
19. Space based telescopes are better than Earth based telescopes because

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20. What is the first space based telescope? _____

21. Future telescopes will be the size of _____, three are currently being built.