

Name _____ Date _____ Hour _____

Got It!	Not Yet
26 - 20	19 - 0

ASTRONOMY #1 - The Space Race

Study Guide ALTERNATE

1. What are two objects that are studied in the field of Astronomy?
_____ and _____
2. For a long time people believed that the _____ was the center of our universe. It wasn't until a collection of evidence from two important people that we now know the _____ is the center of our solar system.
3. Observations made by _____ (Copernicus, Kepler, Galileo) could finally explain the irregular loops made by planets by placing the _____ at the center of the universe.
4. _____ (Copernicus, Kepler, Galileo) was sentenced to life in prison because his evidence went against the beliefs of people in power.
5. Observations of Venus through a telescope by _____ (Copernicus, Kepler, Galileo) would be important evidence to support a _____ -centered universe.
6. What is a rocket?
7. To get into space a _____ must overcome the force of gravity. This force is responsible for pulling objects _____ Earth.
8. A(n) _____ is any human made object placed in space to orbit around another body in space for Ex. _____. The moon is an example of a(n) _____ because it also revolves around another object in space but is naturally occurring.
9. What determines the height at which an artificial satellite is placed? Their _____.
10. Space _____ have the ability to travel far into space and beyond our solar system whereas _____ stay in orbit around a body in space.
11. Artificial satellites are used for:
 - 1) _____
 - 2) _____
 - 3) _____
 - 4) _____
12. Space Probes sent to Jupiter are there to study the planet's _____.

13. Space probes sent to Mars are looking for _____.

14. In the chart below identify the "FIRSTS" to do the things stated.

The FIRST ...

_____	President to get a man on the moon	A. Alan B. Shepard
_____	human in space	B. J.F. Kennedy
_____	U.S. citizen in space	C. Laika
_____	artificial satellite (probe) to orbit Earth	D. Sputnik 1
_____	living thing in space	E. Yuri A. Gagarin

15. The launch of Sputnik 1 by the Soviet Union was the event that started the _____.

16. What was the importance of Sputnik 2?

17. What countries were involved in the Space Race? _____ & _____

18. Why was winning the space race so important to the two countries involved?

19. Who was the first man to walk on the moon?

20. Why the space shuttle beneficial to the U.S.?

21. What are NASA spinoffs?

22. What is one NASA spinoff that has impacted your life either directly or indirectly?

23. Why is the International Space Station (ISS) such an important resource?

24. What type of spacecraft has now been retired?

25. Many early space missions involved sending animals into space.

What do you view as pros and cons of sending animals in space?.

PROS

CONS

26. Should the government continue to fund NASA space programs in the future?
State your claim then justify it with evidence from what you have learned so far.

Claim:

Justification: