

Rocketry and Space Study Guide NAME_____

1) What are some everyday conveniences that require satellite communication in space? Name 3 (Session 1) (Session 3)

2) Yuri Gagarin became the first man to do what on April 12, 1961? (Session 1)

- a) Travel into space
- b) Fly the space shuttle
- c) Eat in Space
- d) Work for NASA

3) NASA stands for National _____ and _____ Administration. (Session 1)

4) Robert Goddard is considered an American pioneer in modern rocketry and space. (If False, What is the correct answer? (Session 1)

-
- a) True
 - b) False

5) What was Alan Shepard Jr. became the first American to do what in 1961? (Session 1)

6) What year did the first man set foot on the Moon? (Session 1)

- a) 1969
- b) 1961
- c) 1958
- d) 1973

7) The Space Shuttle _____ was the first space shuttle flown into space. (Session 1)

8) Edward White was the first man to walk on the moon. If False what is the correct answer? (Session 1)

- a) True
- b) False

9) Sally Ride was the first _____ American Astronaut. (Session 1)

10) What type of fuel is used in modern rocketry? (Think of a bottle rocket firework) (Session 1)

- a) Liquid
- b) Solid
- c) Gas
- d) Plasma

11) Force = MASS x ACCELERATION or $F=MA$. If the acceleration due to gravity of a falling object on Earth is 9.8 m/s, what is the gravitational force on a bowling ball weighing 6.9 kilograms? (RCA 2)

12) Which of the following is not one of the names of an American Space Shuttle? (Google)

- a) Galileo
- b) Challenger
- c) Discovery
- d) Columbia

13) What type of Satellite stays in the same position above the earth? This Satellite is the main one that communication companies prefer. Hint: Look in the index of "The New Way Things Work" under Satellite (RCA 3)

14) What is the name of the first American Space Station put into space? (RCA 4)

- a) Mir
- b) Gemini
- c) Skylab
- d) Explorer

15) What principle explains how the rocket engines are able to lift the shuttle or any rocket off the ground? (Session 6)

- a) Galileo's Theory
- b) Murphy's Law
- c) Newton's Third Law
- d) Pythagorean Theorem

16) What does Newton's Third Law of Motion State? (Session 6)

17) _____ was the name of the space program that was dedicated to putting a man on the moon. (Google)