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These questions come from the following Video 16 Jupiter Crash Course (video 17 questions follow). PLEASE make sure I know which answer you selected. Maybe delete the other answers or even better HIGHLIGHT the one you want

1. In our solar system, Saturn is the \_\_\_\_\_
  - a. largest planet
  - b. second largest planet
  - c. third largest planet
  - d. fourth largest planet
  
2. Saturn's atmosphere, hundreds of kilometers deep, is composed mostly of \_\_\_\_\_
  - a. hydrogen
  - b. methane
  - c. ammonia
  - d. helium
  
3. Saturn's density is about \_\_\_\_\_ that of water
  - a. 1/2
  - b. 2/3
  - c. 3/4
  - d. 4/5
  
4. Saturn spins really quickly, completing a day in just
  - a. 3 hours
  - b. 5 ½ hours
  - c. 8 hours
  - d. 10 ½ hours
  
5. Saturn is oblate, or squished; it's \_\_\_\_\_ through the Equator than through the poles
  - a. 5% narrower
  - b. 5% wider
  - c. 10% wider
  - d. 15% wider

6. When we look at Saturn, we only see its cloud tops, which are mostly \_\_\_\_\_
  - a. ammonia
  - b. methane
  - c. hydrogen
  - d. helium
  
7. In 2010, what was seen in Saturn's northern hemisphere?
  - a. a huge storm
  - b. a meteor impact
  - c. volcanic activity
  - d. distinct bands
  
8. On Saturn, where is the huge, hexagonal vortex located?
  - a. on the equator
  - b. the location changes
  - c. the north pole
  - d. the south pole
  
9. Wind speeds at the center of the hexagonal vortex have been clocked at \_\_\_\_\_
  - a. 5 kilometers per hour
  - b. 50 kilometers per hour
  - c. 500 kilometers per hour
  - d. 5000 kilometers per hour
  
10. Who correctly interpreted the appearance of the rings surrounding Saturn?
  - a. Galileo
  - b. Huygens
  - c. Newton
  - d. Copernicus
  
11. Saturn's rings are composed of \_\_\_\_\_
  - a. solid rock
  - b. water ice
  - c. gas and dust
  - d. methane gas

12. On average, what is the thickness of Saturn's rings?

- a. about ten millimeters thick
- b. about ten centimeters thick
- c. about ten meters thick
- d. about ten kilometers thick

13. Enceladus erupts water from a series of cracks nicknamed \_\_\_\_\_

- a. Huygens striations
- b. Cassini Divisions
- c. bands and belts
- d. tiger stripes

13. If Saturn was the size of a piece of paper, that paper would be \_\_\_\_\_ thicker than the rings.

- a. ten times
- b. a hundred times
- c. a thousand times
- d. ten thousand times

14. How many main rings does Saturn have?

- a. three
- b. four
- c. five
- d. six

15. Saturn's rings are given lettered names in order of \_\_\_\_\_

- a. their thickness
- b. their width
- c. their distance from the planet
- d. their discovery

16. The gap between the A and B rings is called \_\_\_\_\_

- a. the Galileo Divide
- b. the Cassini Division
- c. the Huygens Partition
- d. the Ring Separation

17. Which icy moon, responsible for the Cassini Division, has a single huge crater?  
(Hint: this moon was the inspirational design for the Death Star in Star Wars)
- Titan
  - Tethys
  - Mimas
  - Enceladus
18. Which of Saturn's moons is bigger than Mercury?
- Titan
  - Tethys
  - Mimas
  - Enceladus
19. Which spacecraft has been orbiting Saturn since 2004, and mapped the surface of Titan?
- Cassini
  - Huygens
  - Magellan
  - Rosetta
20. Titan has hints of cryovolcanoes that spew \_\_\_\_\_
- liquid water
  - liquid nitrogen
  - dry ice
  - hydrocarbon grains
21. What liquid has been found, residing in lakes, on Titan's north and south poles?
- water
  - methane
  - ammonia
  - hydrogen