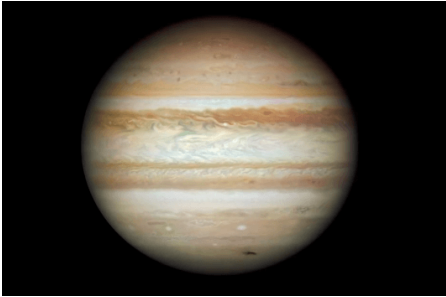
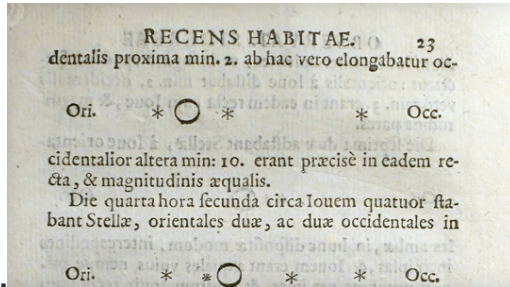


Video 17 on **Jupiter's Moons** by Crash Course Astronomy

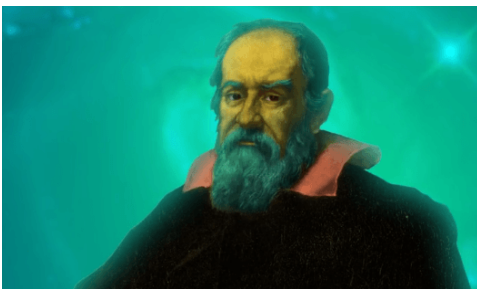
20 Questions



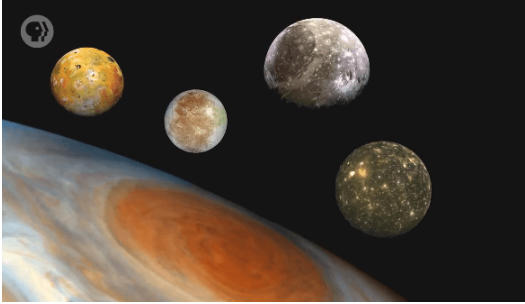
- 1) How many confirmed moons does Jupiter have?
- a) 27
 - b) 67
 - c) 270
 - d) 670



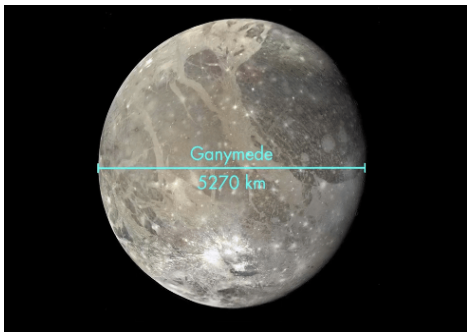
- 2) In what year did Galileo discover moons orbiting Jupiter?
- a) 1610
 - b) 1640
 - c) 1670
 - d) 1710



- 3) How many of Jupiter's moons are referred to as "Galilean moons"?
- a) two
 - b) three
 - c) four
 - d) five



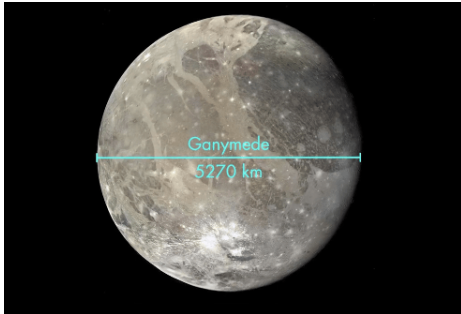
- 4) The biggest of Jupiter's moons is _____
- a) Io
 - b) Europa
 - c) Ganymede
 - d) Callisto



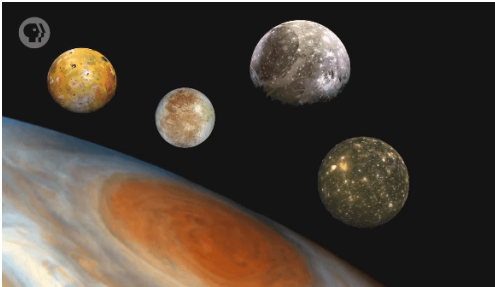
- 5) Ganymede, the largest moon in our solar system, is even bigger than the planet _____
- a) Mercury
 - b) Venus
 - c) Mars
 - d) Earth



- 6) Ganymede is mostly rock and ice, but it probably has a liquid _____ core
- a) iron
 - b) hydrogen
 - c) helium
 - d) nickel



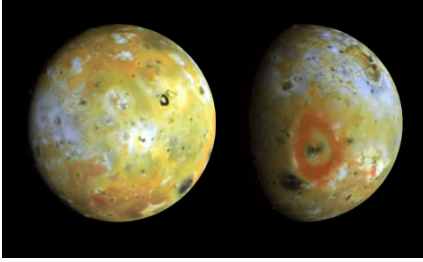
- 7) Ganymede is crisscrossed with large _____
- a) grooves
 - b) mountain ranges
 - c) craters
 - d) canals



- 8) The second biggest of Jupiter's moons is _____
- a) Io
 - b) Europa
 - c) Ganymede
 - d) Callisto

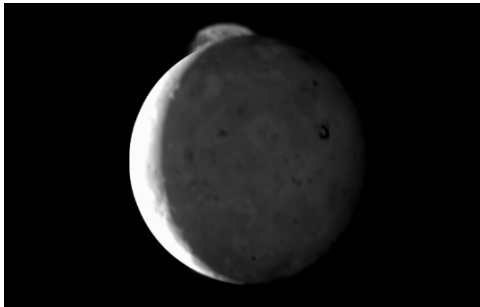


- 9) The surface of Callisto is mostly _____
- a) ice
 - b) dust
 - c) iron oxide
 - d) volcanoes



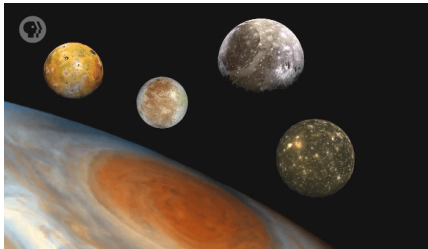
10) How does Io, Jupiter's third biggest moon, compare in size to our own moon?

- a) Io is much smaller
- b) Io is slightly smaller
- c) Io is slightly bigger
- d) Io is much bigger



11) Which moon is the most volcanic object in the entire solar system?

- a) Io
- b) Europa
- c) Ganymede
- d) Callisto



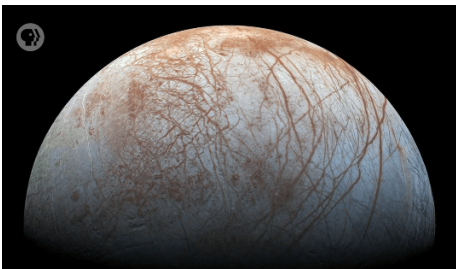
12) Which moon is the smallest of the Galilean moons?

- a) Io
- b) Europa
- c) Ganymede
- d) Callisto



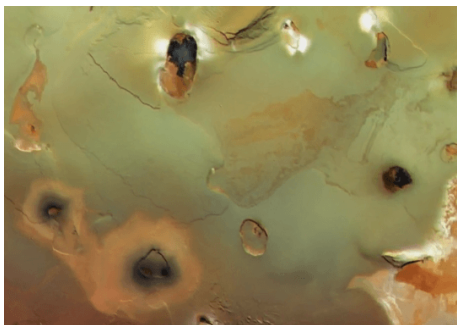
13) How does Europa, Jupiter's fourth biggest moon, compare in size to our own moon?

- a) Europa is much smaller
- b) Europa is slightly smaller
- c) Europa is slightly bigger
- d) Europa is much bigger



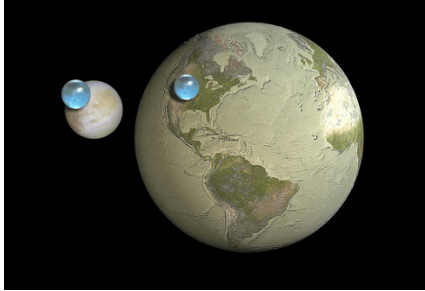
14) Which moon has an entire ocean of water sealed up under a solid crust of ice?

- a) Io
- b) Europa
- c) Ganymede
- d) Callisto



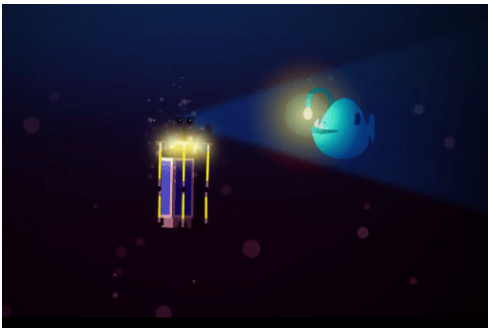
15) The interiors of Ganymede, Io, and Europa are kept warm by _____

- a) nuclear fission
- b) nuclear fusion
- c) tidal flexing
- d) volcanic activity



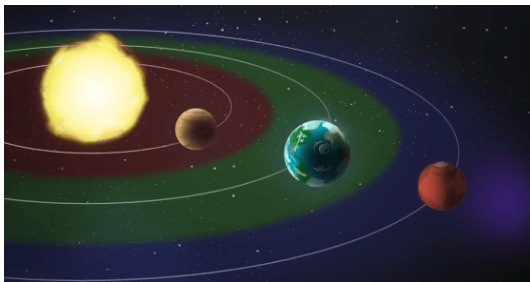
16) Which moon likely has everything it needs to spawn life?

- a) Io
- b) Europa
- c) Ganymede
- d) Callisto



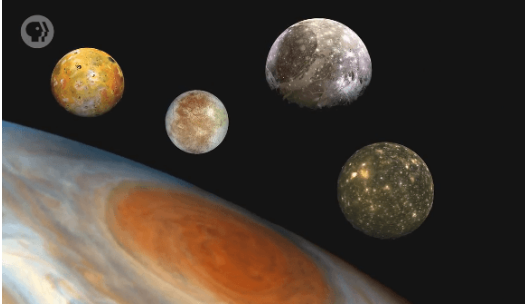
17) What is the name for "scientists who study the possibility of life in space"?

- a) cosmologists
- b) exophysicologists
- c) astrobiologists
- d) paleontologists

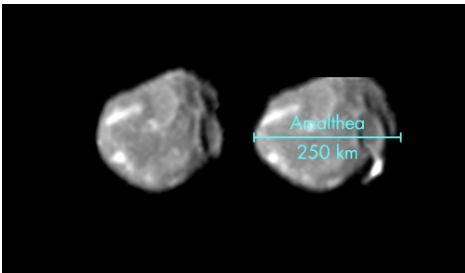


18) The distance from a star where liquid water can exist on a planet's surface is called the _____

- a) aqua-region
- b) life area
- c) habitable zone
- d) bio-space



- 19) All of Jupiter's moons _____
- a) are tidally locked to Jupiter
 - b) have liquid water
 - c) are covered partially in ice
 - d) have volcanic activity



- 20) When a moon orbits the planet backwards relative to the others, it's called a _____
- a) retrograde orbit
 - b) heliocentric orbit
 - c) geosynchronous orbit
 - d) prograde orbit