

## Video on Uranus & Neptune by Crash Course

1. Under ordinary conditions, how many planets can you see in the sky without a telescope?
  - a. four
  - b. five
  - c. six
  - d. seven
2. In 1781, who discovered the planet Uranus using a telescope?
  - a. Edmund Hubble
  - b. William Herschel
  - c. Isaac Newton
  - d. Nicolaus Copernicus
3. Named after the reigning king, what was the original name for Uranus?
  - a. Henrium Sidus
  - b. Richardium Sidus
  - c. Georgium Sidus
  - d. Edwardium Sidus
4. Originally named after a king, Uranus is now named after \_\_\_\_\_
  - a. a Roman god
  - b. a Greek god
  - c. a Norse god
  - d. an Egyptian god
5. Uranus is massive; it's about \_\_\_\_\_ times the mass of Earth
  - a. 4.5
  - b. 8.5
  - c. 14.5
  - d. 20.5

6. To distinguish it from the gas giants Jupiter and Saturn, Uranus is called \_\_\_\_\_
  - a. an ice giant
  - b. a frosty dwarf
  - c. a gas dwarf
  - d. a snow giant
  
7. The pressure inside Uranus can break up methane molecules, possibly creating an ocean of \_\_\_\_\_
  - a. diamonds
  - b. sapphires
  - c. graphite
  - d. coal
  
8. Which molecule is really good at absorbing red light, making Uranus look distinctly cyan?
  - a. hydrogen
  - b. helium
  - c. ammonia
  - d. methane
  
9. Which gas, in the atmosphere of Uranus, smells like rotten eggs?
  - a. ammonia
  - b. hydrogen sulfide
  - c. methane
  - d. carbon monoxide
  
10. The atmosphere of Uranus has a temperature of \_\_\_\_\_
  - a.  $-220\text{ }^{\circ}\text{C}$
  - b.  $-120\text{ }^{\circ}\text{C}$
  - c.  $-170\text{ }^{\circ}\text{C}$
  - d.  $-270\text{ }^{\circ}\text{C}$

11. While Venus is flipped all the way over, Uranus is tilted by about \_\_\_\_\_
  - a.  $86^\circ$
  - b.  $90^\circ$
  - c.  $94^\circ$
  - d.  $98^\circ$
  
12. Which spacecraft has been the only one to visit Uranus?
  - a. Voyager 2, in 1986
  - b. Magellan, in 1990
  - c. Cassini, in 1998
  - d. Viking 2, in 1978
  
13. The moons of Uranus are named after \_\_\_\_\_
  - a. classical poets
  - b. Impressionist painters
  - c. characters in Shakespeare plays
  - d. Greek mythological figures
  
14. Which moon of Uranus is "a patchwork of jumbled terrains all crammed together"?
  - a. Miranda
  - b. Portia
  - c. Ariel
  - d. Puck
  
15. Jumping off Verona Rupes, the tallest known cliff, how long would it take to hit the surface?
  - a. two minutes
  - b. four minutes
  - c. six minutes
  - d. eight minutes

16. Discovered in 1997, how many known rings does Uranus have?
- a. 7
  - b. 9
  - c. 11
  - d. 13
17. Neptune is more massive than Uranus; it's about \_\_\_\_\_ times the mass of Earth
- a. 13
  - b. 15
  - c. 17
  - d. 19
18. Neptune's color is described as a deep rich \_\_\_\_\_
- a. azure
  - b. teal
  - c. aquamarine
  - d. cyan
19. Sustained wind speeds in Neptune's atmosphere have been clocked at over \_\_\_\_\_
- a. 200 kph
  - b. 500 kph
  - c. 1000 kph
  - d. 2000 kph
20. Voyager saw a huge storm marring Neptune's face, called \_\_\_\_\_
- a. the Great Red Spot
  - b. the Great Dark Spot
  - c. the Great Blue Spot
  - d. the Great Azure Spot

21. Neptune has over a dozen known moons, the largest of these is \_\_\_\_
- a. Triton
  - b. Proteus
  - c. Nereid
  - d. Larissa
22. Triton has been seen to have active geysers of \_\_\_\_\_ erupting from its surface
- a. water
  - b. nitrogen
  - c. carbon dioxide
  - d. methane
23. Neptune is the only planet in the solar system found \_\_\_\_\_
- a. by accident
  - b. via math
  - c. via indirect observation
  - d. by a space probe