

Video 15 on Mars by Crash Course

1. Mars is often referred to as _____
 - a. the Red Planet
 - b. the Cold Planet
 - c. the Blue Planet
 - d. the Hot Planet
2. In Roman mythology, Mars was _____
 - a. the King of the Gods
 - b. the God of War
 - c. the God of the Seas
 - d. the God of Wisdom
3. Mars is the _____ planet from the Sun
 - a. second
 - b. third
 - c. fourth
 - d. fifth
4. What is the average surface temperature of Mars?
 - a. $-60\text{ }^{\circ}\text{C}$
 - b. $-30\text{ }^{\circ}\text{C}$
 - c. $0\text{ }^{\circ}\text{C}$
 - d. $30\text{ }^{\circ}\text{C}$
5. Compared to Earth, Mars is only about _____
 - a. one-quarter of the size
 - b. one-third of the size
 - c. one-half of the size
 - d. three-quarters of the size
6. Mars is covered in a fine-grained dust of _____
 - a. iron oxide
 - b. talcum powder
 - c. lead iodide
 - d. quartz

7. The northern hemisphere of Mars is mostly _____
- a. hilly highlands
 - b. covered in craters
 - c. smooth plains
 - d. volcanoes
8. The southern hemisphere of Mars is mostly _____
- a. cratered, hilly highlands
 - b. cracks and canyons
 - c. large, smooth plains
 - d. volcanoes and lava flows
9. On Mars, what is the Tharsis bulge?
- a. a huge plateau
 - b. a huge volcano
 - c. a huge canyon
 - d. a huge canal
10. What is the name of largest volcano in the solar system?
- a. Arsia Mons
 - b. Mauna Kea
 - c. Mauna Loa
 - d. Olympus Mons
11. The gigantic crack in the surface of Mars is called _____
- a. Baltis Vallis
 - b. the Great Rift Valley
 - c. Valles Marineris
 - d. Ithaca Chasma
12. Valles Marineris is longer and wider than the Grand Canyon by a factor of _____
- a. 2
 - b. 5
 - c. 10
 - d. 50

13. How thick are the polar ice caps on Mars?
- several millimeters thick
 - several centimeters thick
 - several meters thick
 - several kilometers thick
14. In the cold season, what substance coats the polar ice caps, from 1 to 8 meters thick?
- frozen carbon dioxide
 - solid water
 - liquid nitrogen
 - volcanic ash
15. Pressure at the surface of Mars is less than _____ of Earth's
- 1%
 - 5%
 - 10%
 - 25%
16. The atmosphere of Mars is mostly composed of _____
- carbon dioxide
 - ammonia
 - carbon monoxide
 - sulfur oxides
17. Similar to tornadoes, Mars gets towering vortices of wind called _____
- dirt dogs
 - dust devils
 - powder genies
 - grit gophers
18. What are the names of the two small moons of Mars?
- Callisto and Europa
 - Io and Ganymede
 - Deimos and Phobos
 - Titan and Rhea

19. Billions of years ago Mars was almost certainly _____
- a. cooler, with a thicker atmosphere
 - b. warmer, with a thicker atmosphere
 - c. cooler, with a thinner atmosphere
 - d. warmer, with a thinner atmosphere
20. Which rover detected simple organic molecules on Mars?
- a. Sojourner
 - b. Opportunity
 - c. Spirit
 - d. Curiosity
21. Compared to Earth, Mars is _____
- a. smaller and colder
 - b. larger and colder
 - c. smaller and hotter
 - d. larger and hotter