

# The Universe – Mars, the Red Planet

- 1) What is the source of the red coloration of Mars' terrain ?
- 2) What is the tallest known peak in the solar system and how high does it rise above the surrounding terrain ?
- 3) How far does the temperature fall at night on Mars ?
- 4) Where does Mars take its name from ?
- 5) How long ago did the Earth and Mars form ?
- 6) What is the *solar wind* made up of ?

7) Where may water likely be found on Mars today ?

8) What is the primary composition of the ice at Mars' polar caps ?

9) What sort of debris, rather than dry material, is thrown out by meteor impacts on Mars ?

10) Whose observations led to the belief by many that canals, built by a Martian civilization, could be seen from Earth ?

11) What radio broadcast led to a panic as thousands believed that Earth was being invaded by Martians ?

12) What primary surface features on Mars were viewed by NASA's Mariner 4 spacecraft ?

13) What is the source of the Tharsis Bulge ?

14) How many separate eruptions do we know Olympus Mons has experienced ?

15) What NASA mission first put landers on the surface of Mars to take pictures and analyze rock and soil samples ?

16) What special object was found by NASA geologists in Antarctica in 1984 ?

17) What did the rock, dubbed ALH-84001, turn out to be when analyzed in the early 90's ?

18) As announced in 1996, what did the team studying ALH-84001 believe they had found evidence of ?

19) How often can missions to Mars be mounted ?

20) What is the primary job of the Mars exploration rovers ?

21) Where did Spirit rover land and what sort of terrain is it ?

22) What is the primary goal of the Phoenix lander ?

23) What is believed to be the cause of the surface liquid flow that evidence of was discovered in 2005 ?

24) By what means could life from Mars have been seeded on Earth ?