





Date: _____

Name: _____

Class: _____

1 Which of the following images correctly represents the relative sizes of Earth and Mars?

- A** 
- B** 
- C** 
- D** 

2 In what part of the solar system is Mars located?

- A** In the inner solar system, near the sun and Mercury
- B** In the inner solar system, near Earth and the asteroid belt
- C** In the outer solar system, near Saturn and Uranus
- D** It depends on the time of year; Mars has an irregular orbit around the sun

3 What can you conclude from the fact that Mars and Earth have roughly 24-hour days?

- A** The planets spin on their axes at similar rates
- B** The planets orbit the sun at similar rates
- C** The planets are equally distant from the sun
- D** The planets are roughly the same size

4 If you were looking for surface water on Mars, where would be the best place to go?

- A** One of the planet's canals
- B** Toward the planet's equator
- C** The base of a Martian volcano
- D** The planet's north or south pole

5 Which of these Earth climates most closely resembles the Martian environment?

- A** A temperate zone
- B** A rainforest
- C** The taiga
- D** The desert

6 Which of these is a true statement about the Martian atmosphere?

- A** It contains more free oxygen than Earth's atmosphere
- B** It contains more carbon dioxide than Earth's atmosphere
- C** It contains more nitrogen than Earth's atmosphere
- D** It has a similar composition to Earth's atmosphere

7 What caused early astronomers to believe that Mars might have intelligent life?

- A** They saw what they thought were canals, and guessed they were filled with water
- B** They saw what looked like a human face on the Martian surface
- C** They saw flashes and explosions on the Martian surface
- D** They made contact with beings who said they were from Mars

8 Which of the following is true about Mars?

- A** Scientists aren't sure when and why the Martian climate changed
- B** There is an ocean on Mars during the summer months
- C** Rivers of liquid water flow along the Martian surface
- D** Significant amounts of water vapor exist in the Martian atmosphere

9 Which analogy best describes the Martian moons, Phobos and Deimos, in relation to Mars?

- A** They are like sticks of dynamite
- B** They are like a nuclear reactor
- C** They are like bowling balls
- D** They are like caught fish

10  Mars gets its red color from its ferrous soil. In the previous sentence, what does "ferrous" mean?

- A** Rock-strewn
- B** Colorful
- C** Iron-rich
- D** Clay-like