



Pre-Test

Name _____

Date _____

Read each question or statement below. Choose the one best response and circle the letter of the choice.

- The presence of a magnetic field indicates that a planet may have:
a) an iron core
b) an atmosphere
c) oceans
d) a high surface temperature
- The atmosphere of Venus is 96 percent:
a) sulfuric acid
b) oxygen
c) carbon dioxide
d) nitrogen
- Heat is trapped on the surface of Venus by high atmospheric levels of:
a) water vapor
b) sulfuric acid
c) ammonia
d) carbon dioxide
- The terrestrial planets are composed mostly of:
a) liquid metal
b) ice
c) solid rock
d) gases
- The Earth is the only planet in the solar system that has:
a) clouds
b) oceans of water
c) a core
d) an atmosphere
- The largest volcanoes in the solar system are most likely on:
a) Mars
b) Jupiter
c) Earth
d) Pluto
- Which of the following is one of the giant planets?
a) Mars
b) Uranus
c) Venus
d) Pluto



Use the following table to answer questions #8, 9, and 10.

Planet	Average distance from sun (106 Km)	Diameter (Km)	Rate of rotation (Each time)
1	57.9	4,878	59 d
2	108.2	12,104	-243 d
3	149.6	12,756	23 hr 56 min
4	227.9	6,794	24 hr 37 min
5	778.3	142,796	9 hr 50 min
6	1,427	120,660	10 hr 40 min
7	2,871	52,400	17 hr 14 min
8	4,497	50,450	16 hr 06 min
9	5,914	2,445	6.4 d

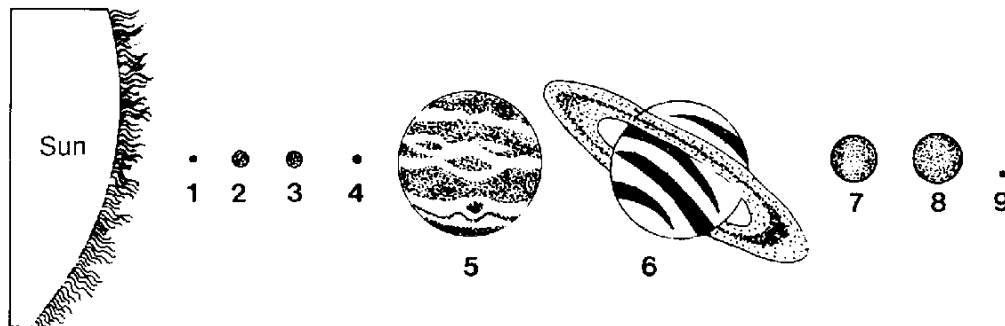
8. Which planet in the table above represents Jupiter?

- a) 4
- b) 5
- c) 6
- d) 7

9. Which planet in the table above has the lowest density?

- a) 2
- b) 4
- c) 6
- d) 8

10. The bands on planet 5 in the diagram below are caused by:



- a) volcanic activity
- b) rotating moons
- c) swirling gases
- d) nuclear fusion





ANSWER KEY

1. a
2. c
3. d
4. c
5. b
6. a
7. b
8. b
9. c
10. c