



Name _____

Date _____

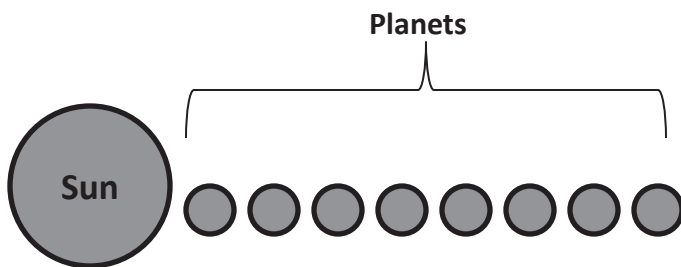
1. A group of students are conducting a research project over the fourth planet from the Sun. Which planet is the fourth planet from the Sun?

- A. Mercury
- B. Earth
- C. Mars
- D. Venus

2. Farthest from the Sun and the outermost planet in the solar system is which planet?

- F. Neptune
- G. Uranus
- H. Earth
- J. Mars

3. Students are asked to draw a model of the planets in our solar system. The model below is one student's drawing.



Which answer choice best explains why the student's drawing is not accurate?

- A. The Sun should be placed at the end rather than at the beginning of the drawing.
- B. The Sun should be placed in the middle of the planets.
- C. The planets in the drawing should be different sizes to represent how they are in the solar system.
- D. There should be one less planet in the student's drawing.

4. Based on what you know about the position of the planets in relation to the Sun, which planets have shorter years than Earth? (5.2.D)

- F. Mercury, Venus, and Mars
- G. Mercury and Venus
- H. Jupiter, Saturn, Uranus, and Neptune
- J. Mercury, Venus, and Jupiter

5. Analyze the chart below.

Solar System Statistics

Categories	?	?	?	?	?	?	?	?	?
1. Mean Distance From Sun (Millions of Kilometers)	—	57.9	108.2	149.6	227.9	778.3	1,427	2,871	4,497
2. Period of Revolution	—	87.9 days	224.7 days	365.3 days	687 days	11.86 years	29.46 years	84 years	165 years
3. Equatorial Diameter (Kilometers)	1.39 million	4,880	12,100	12,756	6,786.8	143,200	120,000	51,800	49,528
4. Atmosphere (Main Components)	Hydrogen Helium	Virtually None	Carbon Dioxide	Nitrogen Oxygen	Carbon Dioxide	Hydrogen Helium	Hydrogen Helium	Hydrogen Helium Methane	Hydrogen Helium Methane
5. Moons	—	0	0	1	2	16	18+ (?)	15	8
6. Rings	—	0	0	0	0	1	1,000 (?)	11 (?)	4

Which answer choice best completes the missing categories on the chart?

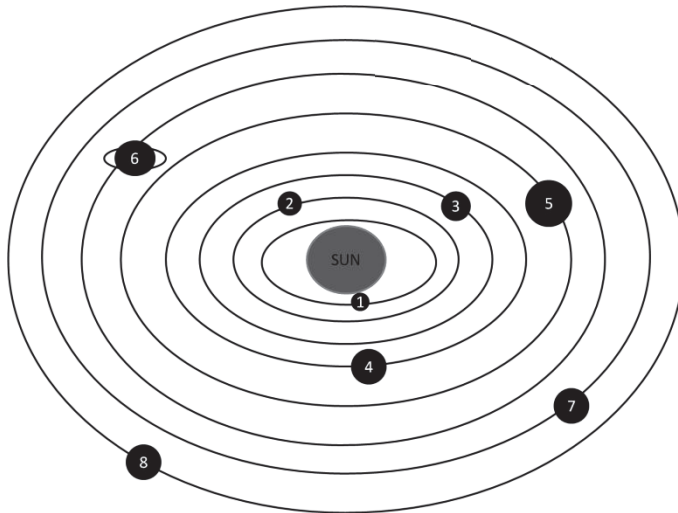
- A. Sun, Mars, Venus, Earth, Mercury, Jupiter, Saturn, Uranus, Neptune
- B. Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Sun
- C. Sun, Venus, Mercury, Earth, Mars, Saturn, Jupiter, Uranus, Neptune
- D. Sun, Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune



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Use your knowledge of science and the diagram below to answer questions 1-3.



1. Which planets have a longer orbit than Earth but a shorter orbit than Saturn? (5.2.D)
 - A. Mars and Jupiter
 - B. Uranus and Neptune
 - C. Venus and Mercury
 - D. Jupiter and Uranus

2. Which planet represents number 1 in the diagram?
 - F. Mercury
 - G. Mars
 - H. Earth
 - J. Jupiter

3. How many planets are closer to the Sun than Jupiter?
 - A. 2
 - B. 5
 - C. 3
 - D. 4

4. Which statement best compares Earth to the other planets in relation to the Sun?
 - F. The Earth is closer to the Sun than Venus.
 - G. The Earth is farther from the Sun than Mars.
 - H. The Earth is closer to the Sun than Jupiter.
 - J. The Earth is farther from the Sun than Saturn.

5. Students are asked to make a poster that describes the characteristics of one of the planets in the solar system.

Mystery Planet

- The largest planet in the solar system. It's so large all the other planets could fit inside it!
- The fifth planet from the Sun.
- Has three thin rings.
- Its famous feature is the Great Red Spot.

Which planet is the student describing?

- A. Saturn
- B. Jupiter
- C. Earth
- D. Neptune