4.E.3A.1- Solar System Indicator Assessment

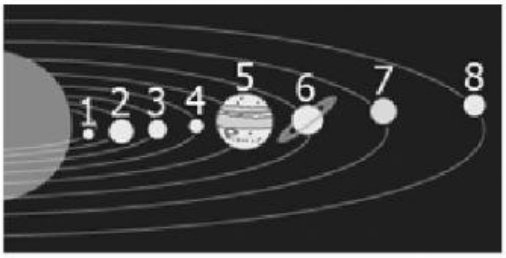
Name: _____

1. Linda writes down some characteristics of a planet. Which planet does Linda describe?

Linda's Notes
1. The planet is closer to the Sun than Earth.
2. The planet is small and rocky like Earth.

A. Mars
B. Mercury
C. Neptune
D. Saturn

2. The image below shows a diagram of the solar system with the planets numbered in sequence. A student is asked to select numbers of the planets that have a surface made of gas. Which planets would the student select?



A. Planets 1, 2, 3, and 4
B. Planets 1, 2, 7, and 8
C. Planets 3, 4, 5, and 6
D. Planets 5, 6, 7, and 8

3. Inner planets are:

A. Small and Gassy
B. Large and Rocky
C. Small & Rocky
D. Large & Gassy

4. Outer planets are:

A. Small and Gassy
B. Large and Rocky
C. Small & Rocky
D. Large & Gassy

5. Which planets have a surface similar to Earth?

A. Mars and Jupiter
B. Mars and Saturn
C. Mercury and Mars
D. Mercury and Jupiter

6. Which statement is true?

A. The sun moves in an orbit around Jupiter.
B. The sun moves in an orbit around Earth.
C. The moon moves in an orbit around Earth.
D. Earth moves in an orbit around the moon.

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7. Based on their classification, which planet is *least* like the others?

A. Jupiter
B. Mars
C. Saturn
D. Uranus

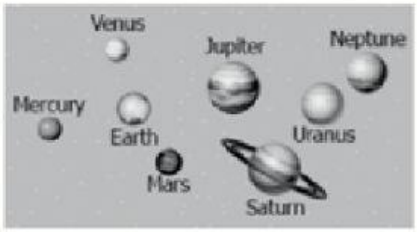
8. What do all the planets in our solar system have in common?

A. They all have their own source of light.
B. They are all about the same size.
C. They are all mostly solid and rocky.
D. They all orbit around the Sun.

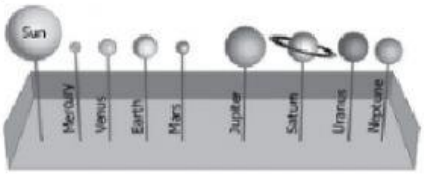
9. A student designs a model to show the order of the planets as they get farther from the Sun. Which model *accurately* shows the order of the planets?

A.

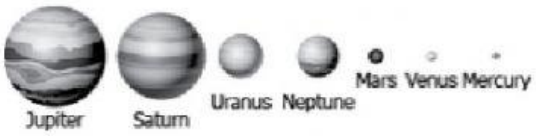
C.



B.



D.



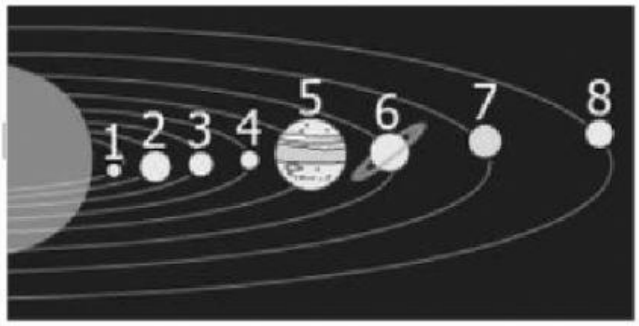
10. Which planet has a gaseous surface?

A. Mars
B. Mercury
C. Saturn
D. Venus

11. Look at the diagram.

Which planets have rocky surfaces?

A. Planets 1, 2, 3, and 4
B. Planets 2, 3, 4, and 6
C. Planets 4, 5, 6, and 7
D. Planets 5, 6, 7, and 8



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