

OUR SOLAR SYSTEM

Homework Worksheet

Name: _____

Date: _____

Class: _____

1. Matching — Write the letter of the correct description next to each name.

_____ Mercury	A. Largest planet; has the Great Red Spot
_____ Venus	B. Closest to the Sun; extreme hot/cold swings
_____ Earth	C. Tilted on its side; blue-green from methane
_____ Mars	D. Only planet known to support life; has liquid water
_____ Jupiter	E. "Red Planet"; has Olympus Mons & Valles Marineris
_____ Saturn	F. Earth's "sister planet"; thick toxic atmosphere
_____ Uranus	G. Farthest planet; has the Great Dark Spot
_____ Neptune	H. Famous for its rings; least dense planet
_____ The Moon	I. Star at the center; gives us light and heat
_____ The Sun	J. Earth's natural satellite; causes the tides

2. Fill in the Blanks — Use the Word Bank. Each word is used once.

Word Bank: rings • Olympus Mons • Great Red Spot • methane • liquid water • sister planet • Great Dark Spot • iron-rich • least dense • tilted

1. Earth is the only planet known to have _____ on its surface.
2. Venus is often called Earth's _____ because of similar size.
3. Mars looks red because of its _____ soil and rocks.
4. The largest volcano in the solar system is _____ on Mars.
5. Jupiter's giant storm that has lasted centuries is the _____.
6. Saturn is famous for its stunning system of _____.
7. Saturn is the _____ of all planets — it would float in water!
8. Uranus is unique because it is _____ on its side.
9. Uranus has a blue-green color because of _____ in its atmosphere.
10. Neptune has a dark storm called the _____.

3. True or False — Circle T or F. Correct any false statement.

1. T / F Mercury is the farthest planet from the Sun.
If false, correction: _____
2. T / F Earth is the only planet known so far that supports life.
If false, correction: _____
3. T / F Jupiter is more massive than all the other planets combined.
If false, correction: _____
4. T / F Saturn's rings are made of solid rock cliffs.
If false, correction: _____
5. T / F Uranus has a blue-green color because of methane.
If false, correction: _____
6. T / F The Moon is Earth's only natural satellite.
If false, correction: _____
7. T / F Neptune has the calmest weather of all the planets.
If false, correction: _____
8. T / F Mars has both the largest volcano and deepest canyon.
If false, correction: _____

OUR SOLAR SYSTEM — Homework Worksheet (continued)

4. Short Answer — Answer in complete sentences.

1. Why is Venus called Earth's "sister planet"? What makes it very different from Earth?

2. What makes Earth special compared to every other planet in our solar system?

3. Name two extreme features on Mars and explain why they are special.

4. Why would Saturn float if placed in a giant bathtub of water?

5. What is unusual about Uranus's rotation, and what causes its color?

5. Order the Planets — From closest to the Sun → farthest from the Sun.

1. _____ 2. _____ 3. _____ 4. _____

5. _____ 6. _____ 7. _____ 8. _____

Bonus Challenge

If you could visit one planet or the Moon (not Earth), which would you choose and why? Write 3–4 sentences and include at least two facts from the lesson.

Review the presentation slides before answering. Good luck! ■