

# Solar System Vocabulary Foldable Rubric

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_ Score \_\_\_/4

Read the **3-Proficient** description first. Then read the 4, 2, and 1 description. Assign a score that BEST MATCHES the descriptions.

Category ____/4	4-Advanced In addition to Proficient (3) the foldable should include...	3-Proficient Term description and drawing (captions and colors) clearly identifies...	2-Partially Proficient	1-Unsatisfactory
Solar System ____/4	...clear, accurate descriptions of what is required for a solar system. The captions detail at least 2 additional facts above the 3-proficient expectation.	...solar system as a system of planets and other objects which orbit around a central star. Our solar system has 8 planets which orbit around the Sun.	Foldable is missing 1 of the basic details included in the 3-proficient requirement. AND / OR Foldable is missing any of the following:	Foldable is missing 2 or more of the basic details include in the 3-proficient requirement. AND / OR foldable is missing any 2 of the following:
Sun/Star ____/4	...a clear, detailed explanation of the basic dynamics of a star. Example: At the high core temperatures of a star, atoms move so fast that they sometimes stick to other atoms when they collide with them, forming more massive atoms and releasing a great amount of energy. This process is known as nuclear fusion.	...the sun/stars as a ball of mostly hydrogen and helium gas that shines extremely brightly. Our Sun is a star. A star is so massive that its core is extremely dense and hot.	1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing	1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing
Mercury ____/4	...the captions detail at least 2 additional facts above the 3-proficient expectation which includes information in the captions and drawings which demonstrate advanced research of Mercury. Example: Mercury's location causes extremes in temperature and explains why there is little atmosphere.	...these characteristics of Mercury: ____ is 58,000,000 km from Sun ____ orbits the Sun every 59 Earth days ____ a day is .24 of an Earth day (6 hrs) ____ is rocky ____ has a very thin atmosphere ____ has no moons	Foldable is missing 2 of the basic details included in the 3-proficient requirement. AND / OR foldable is missing any of the following:	Foldable is missing 3 or more of the basic details included in the 3-proficient requirement. AND / OR foldable is missing any 2 of the following:
Venus ____/4	...the captions detail at least 2 additional facts above the 3-proficient expectation which includes information in the captions and drawings which demonstrate advanced research of Venus. Example: Venus's rotates from west to east, the opposite of other planets and moons.	...these characteristics of Venus ____ is 108,000,000 km from Sun ____ orbits the Sun every 243 Earth days ____ a day is .62 of an Earth day (14 hrs) ____ is rocky ____ has a very dense atmosphere ____ has no moons	1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing	1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing
Earth ____/4	...the captions detail at least 2 additional facts above the 3-proficient expectation which includes information in the captions and drawings which demonstrate advanced research of Earth. Example: Earth is the only object in the solar system where water readily occurs as a solid, liquid, and gas.	...these characteristics of Earth: ____ is 228,000,000 km from Sun ____ orbits the Sun every 365 ¼ Earth days ____ a day is a 24 hours ____ is rocky ____ 2/3 covered with water ____ has 1 moon	Foldable is missing 2 of the basic details included in the 3-proficient requirement. AND / OR Foldable is missing any of the following:	Foldable is missing 3 or more of the basic details included in the 3-proficient requirement. AND / OR Foldable is missing any 2 of the following:
Mars ____/4	...the captions detail at least 2 additional facts above the 3-proficient expectation which includes information in the captions and drawings which demonstrate advanced research of Mars. Example: One of the polar ice caps of Mars is made of carbon dioxide.	...these characteristics of Mars: ____ is 150,000,000 km from Sun ____ orbits the Sun every 365 ¼ Earth days ____ a day is a little more than 1 Earth day (24 hrs 42 minutes) ____ is rocky ____ has frozen poles ____ has 2 moons	1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing	1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing

Asteroids ____/4	...the captions detail at least 2 additional facts above the 3-profficient expectation which includes information in the captions and drawings which demonstrate advanced research of asteroids. Example: Some asteroids have more unusual orbits, and a few pass close to the earth or enter the atmosphere as meteors.	...these characteristics of an asteroid: ____ a small rocky body which orbits the sun. ____ large numbers of these, ranging in size from nearly 600 miles (1,000 km) across (Ceres) to dust particles ____ are found (as the <b>asteroid belt</b> )-mostly between the orbits of Mars and Jupiter	Foldable is missing 2 of the basic details included in the 3-profficient requirement. AND / OR Foldable is missing any of the following: 1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing	Foldable is missing 3 or more of the basic details included in the 3-profficient requirement. AND / OR foldable is missing any 2 of the following: 1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing
Jupiter ____/4	...the captions detail at least 2 additional facts above the 3-profficient expectation which includes information in the captions and drawings which demonstrate advanced research of Jupiter. Example: Jupiter also has rings like Saturn, only much fainter	...these characteristics of Jupiter: ____ is 778,000,000 km from Sun ____ orbits the Sun in 12 Earth years ____ a day is only 9.6 Earth hours ____ is made of dense gas with solid core ____ is the largest planet ____ has 17 moons	Foldable is missing 2 of the basic details included in the 3-profficient requirement. AND / OR Foldable is missing any of the following: 1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing	Foldable is missing 3 or more of the basic details included in the 3-profficient requirement. AND / OR foldable is missing any 2 of the following: 1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing
Saturn ____/4	...the captions detail at least 2 additional facts above the 3-profficient expectation which includes information in the captions and drawings which demonstrate advanced research of Saturn. Example: Saturn's moon Titan is about the same size as the Earth's moon.	...these characteristics of Saturn: ____ is 1,427,000,000 km from Sun ____ orbits the Sun in 29 Earth years ____ a day is only 10.3 Earth hours ____ is made of dense gas with solid core ____ is known as the ringed planet ____ has 19 moons.	Foldable is missing 2 of the basic details included in the 3-profficient requirement. AND / OR Foldable is missing any of the following: 1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing	Foldable is missing 3 or more of the basic details included in the 3-profficient requirement. AND / OR foldable is missing any 2 of the following: 1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing
Uranus ____/4	...the captions detail at least 2 additional facts above the 3-profficient expectation which includes information in the captions and drawings which demonstrate advanced research of Uranus. Example: The atmosphere of Uranus is blue because it contains methane.	...these characteristics of Uranus: ____ is 2,871,000,000 km from Sun ____ orbits the Sun in 84 Earth years ____ a day is only 17.3 Earth hours ____ is made of dense gas with solid core ____ is a smaller giant ____ has 17 moons.	Foldable is missing 2 of the basic details included in the 3-profficient requirement. AND / OR Foldable is missing any of the following: 1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing	Foldable is missing 3 or more of the basic details included in the 3-profficient requirement. AND / OR foldable is missing any 2 of the following: 1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing
Neptune ____/4	...the captions detail at least 2 additional facts above the 3-profficient expectation which includes information in the captions and drawings which demonstrate advanced research of Neptune. Example: Neptune rotates "on its side", 97° over from "upright" (the Earth is tilted 23.4°)	...these characteristics of Neptune: ____ is 4,497,000,000 km from Sun ____ orbits the Sun in 165 Earth years ____ a day is only 16 Earth hours ____ is made of dense gas with solid core ____ is about the same size as Uranus ____ has 17 moons.	Foldable is missing 2 of the basic details included in the 3-profficient requirement. AND / OR Foldable is missing any of the following: 1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing	Foldable is missing 3 or more of the basic details included in the 3-profficient requirement. AND / OR Foldable is missing any 2 of the following: 1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing
Comet ____/4	...the captions detail at least 2 additional facts above the 3-profficient expectation which includes information in the captions and drawings which demonstrate advanced research of comets. Example: Halley's comet returns to Earth view every 76 years	...these characteristics of a comet: ____ an object consisting of a nucleus of ice and dust ____ when near the sun, a "tail" of gas and dust particles pointing away from the sun ____ orbits are typically long, narrow ellipses	Foldable is missing 2 of the basic details included in the 3-profficient requirement. AND / OR Foldable is missing any of the following: 1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing	Foldable is missing 3 or more of the basic details included in the 3-profficient requirement. AND / OR foldable is missing any 2 of the following: 1. Color 2. Captions 3. Description 4. Text Reference 5. Drawing

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