

Solar System Planet Order

Name / chosen name: _____

Use after the activity. Open responses can differ; accept drawings, spoken responses and supported writing.

Order: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune. Between Earth and Jupiter: Mars. The Sun is a star, which produces its own light; planets orbit a star and reflect light.

NASA: <https://science.nasa.gov/solar-system/planets/> · <https://science.nasa.gov/moon/moon-phases/>

Planet Fact Matching

Name / chosen name: _____

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Mercury: D — Closest planet to the Sun.

Venus: G — Hottest planet in our solar system.

Earth: B — Our home planet.

Mars: F — Often called the Red Planet.

Jupiter: A — Largest planet in our solar system.

Saturn: E — Well known for its bright ring system.

Uranus: H — Rotates with a strongly tilted axis.

Neptune: C — Most distant of the eight planets from the Sun.

NASA: <https://science.nasa.gov/solar-system/planets/> · <https://science.nasa.gov/moon/moon-phases/>

Design an Imaginary Planet

Name / chosen name: _____

Use after the activity. Open responses can differ; accept drawings, spoken responses and supported writing.

Accept original designs, accurate source records or actual observations. Check claims against the named source. Distinguish fiction from scientific facts; weather and missing observations must not be replaced with invented data. For the rocket model, compare evidence with one controlled design change and never launch the model.

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Moon Phases Learning

Name / chosen name: _____

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Full Moon. The Moon reflects sunlight. The visible amount of its sunlit half changes as it orbits Earth. Ordinary phases are not Earth's shadow; a lunar eclipse is different.

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Moon Observation Log

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