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: _____

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

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.

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

Moon Phases Learning

Name / chosen name: _____

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

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.

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

Moon Observation Log

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.

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