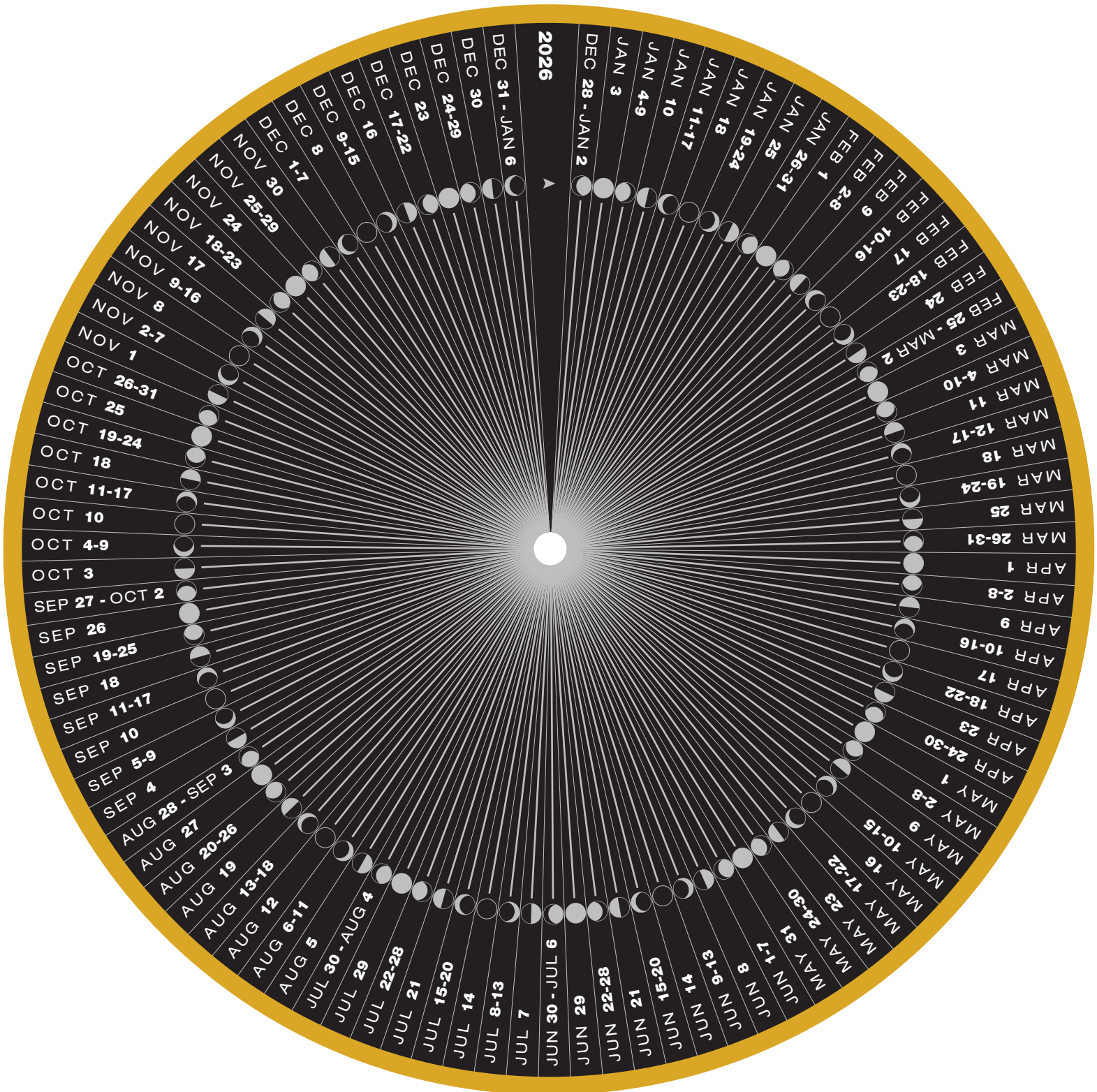
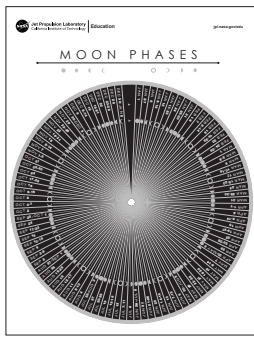




MOON PHASES

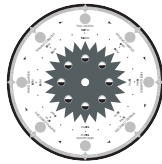
● ● ● ● 2026 ● ● ● ●





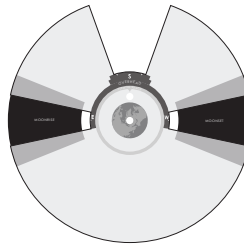
CALENDAR WHEEL

1. Print out (and optionally cut out).



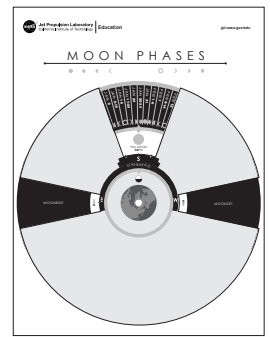
MOON PHASES WHEEL

2. Print and cut out. Follow the instructions on the back to fill in the moon phases.



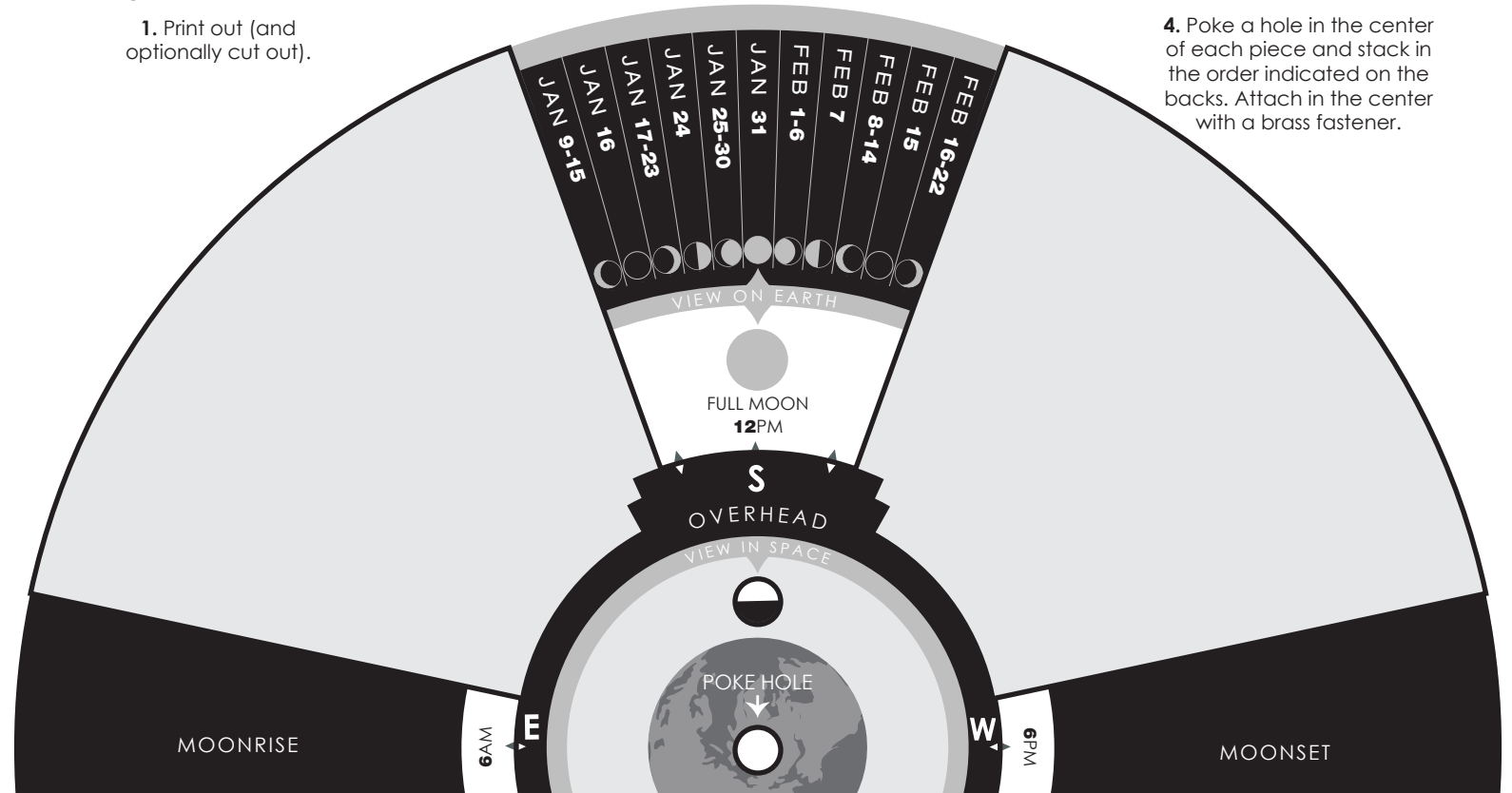
VIEWING WHEEL & PANELS

3. Print. Where indicated on the back, cut out, punch hole and line up moonset/rise panels, attaching with tape.



ASSEMBLED CALENDAR

4. Poke a hole in the center of each piece and stack in the order indicated on the backs. Attach in the center with a brass fastener.



MOON PHASES CALENDAR AND CALCULATOR (N. HEMISPHERE)

HOW TO USE:

Use this moon phases calendar and calculator to find out when moon phases are visible throughout the year and where to spot the Moon in the sky. First, turn the top **Viewing Wheel** to a date or date range for which you would like to know the moon phase and/or viewing location. Then turn the **Moon Phases Wheel** so that the phase on the wheel matches what's pictured on the date you have selected. Be sure the gold arrow on the **Moon Phases Wheel** is pointing to the correct date on the **Calendar Wheel**. (Note: The **Calendar Wheel** shows the dates when moon phases occur in the Pacific Time Zone.) Once the wheels are aligned, you will see approximately when (in local standard time) the moon will rise in the east, be overhead while facing south and set in the west for that particular date. In the center of the **Viewing Wheel**, you will also see a view of Earth and the Moon as seen from space, above Earth's Northern Hemisphere.

For more about the Moon, explore these online resources from NASA:

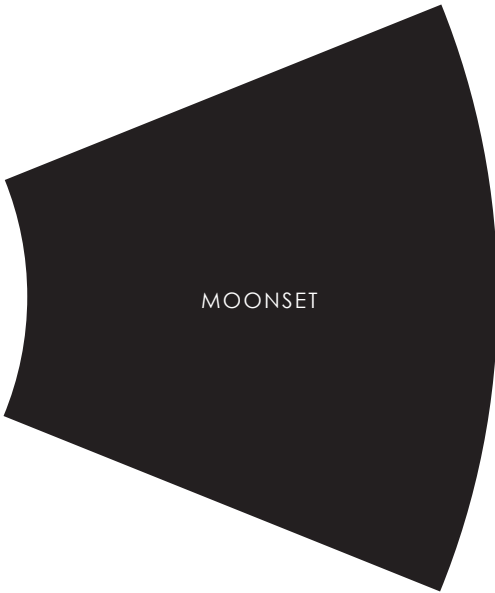
Activities for Students: go.nasa.gov/MoonActivities

Lessons for Educators: go.nasa.gov/MoonLessons

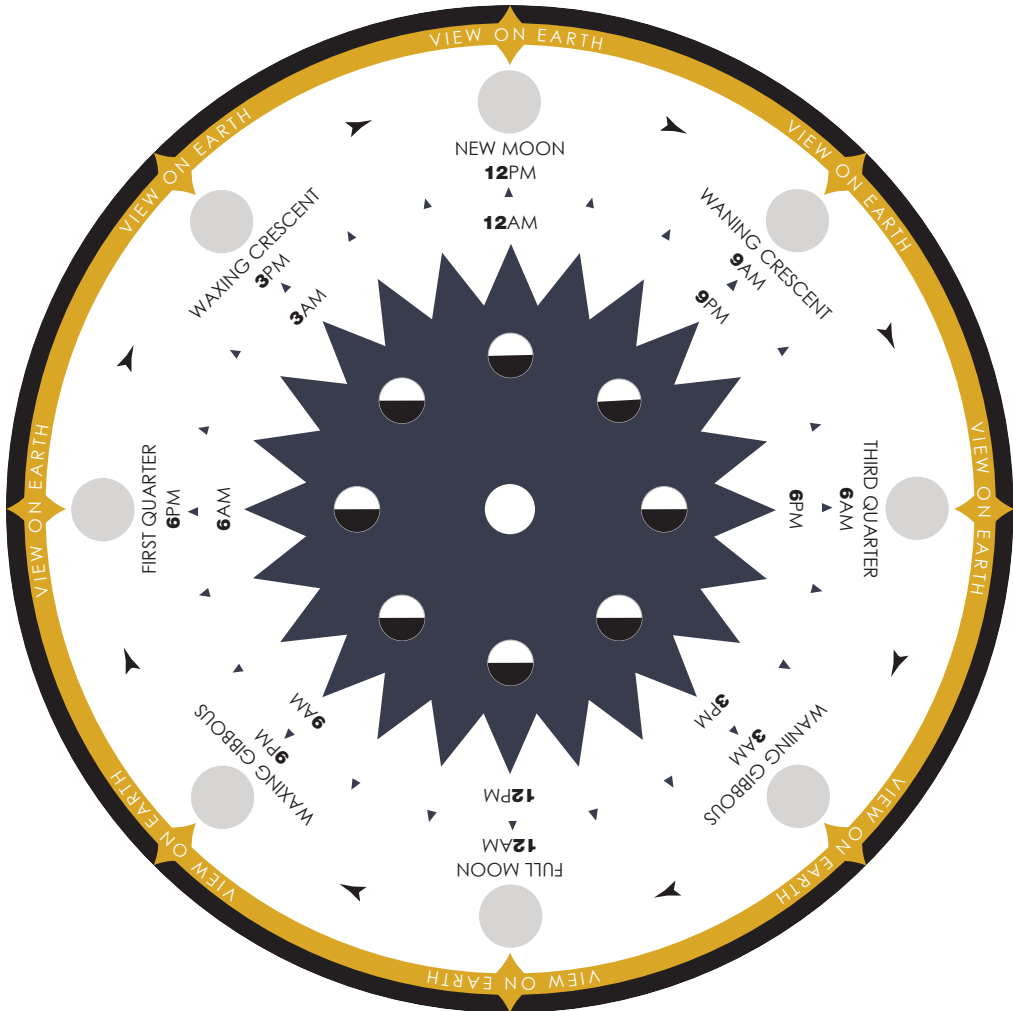
NASA's Moon Website: science.nasa.gov/moon



MOONRISE



MOONSET



VIEW ON EARTH

NEW MOON
12PM
12AM

WAXING CRESCENT
3PM
3AM

FIRST QUARTER
6PM
6AM

WAXING GIBBOUS
9PM
9AM

FULL MOON
12PM
12AM

WAXING CRESCENT
9PM
9AM

THIRD QUARTER
6PM
6AM

WAXING GIBBOUS
3PM
3AM

VIEW ON EARTH

VIEW ON EARTH

VIEW ON EARTH

VIEW ON EARTH

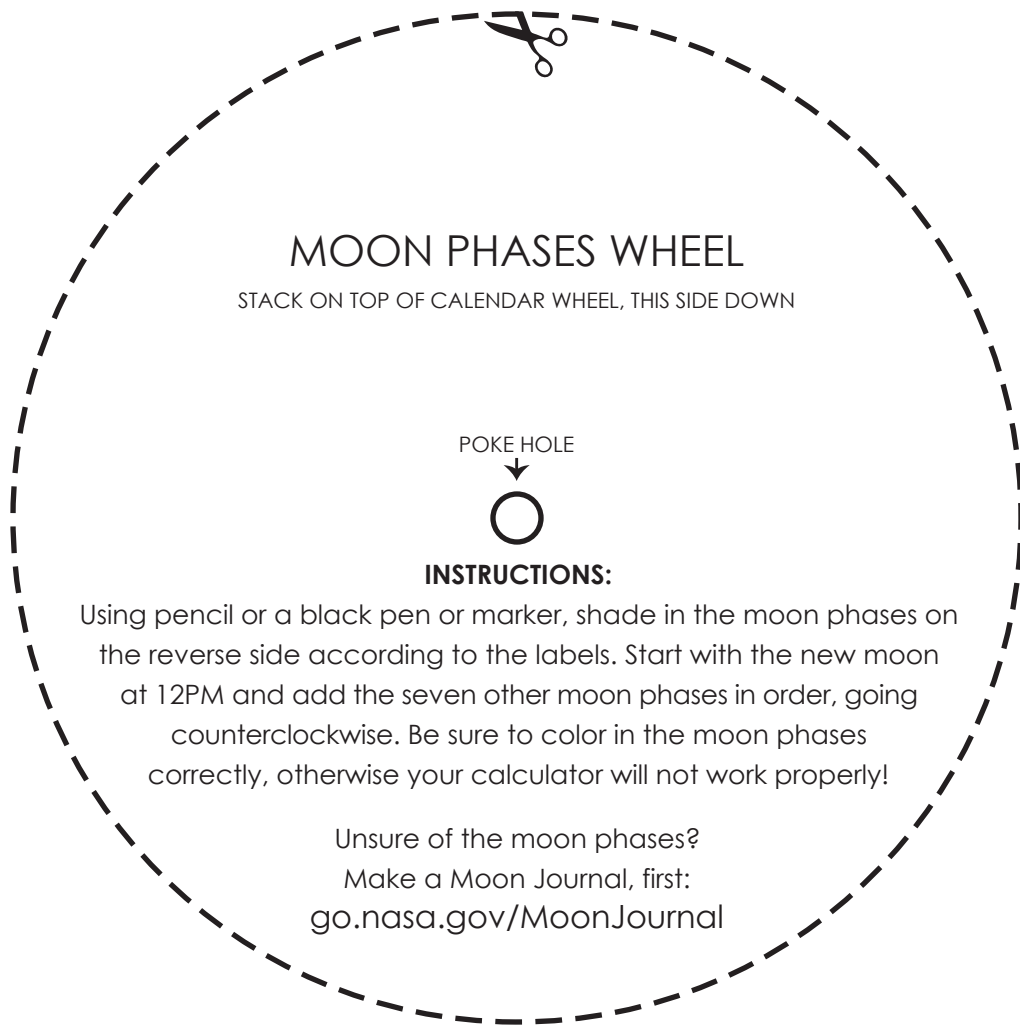
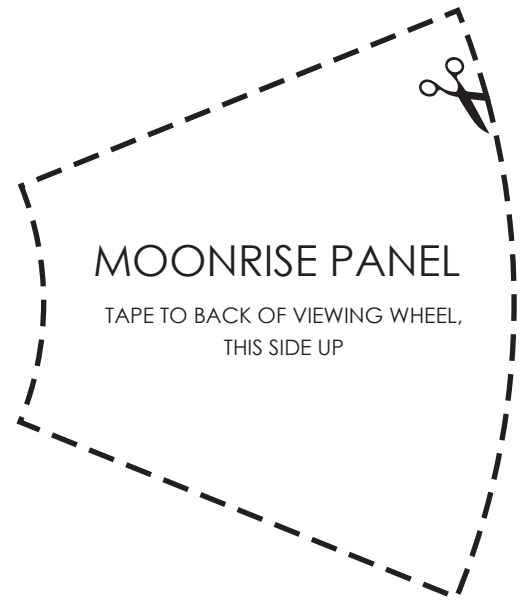
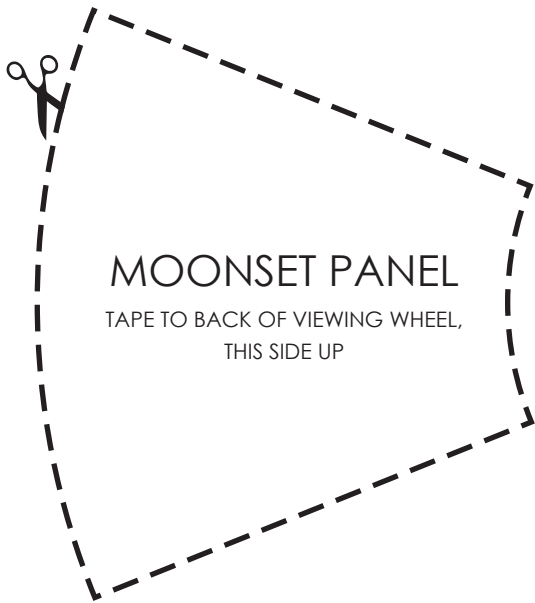
VIEW ON EARTH

VIEW ON EARTH

VIEW ON EARTH

VIEW ON EARTH

VIEW ON EARTH



MOON PHASES WHEEL

STACK ON TOP OF CALENDAR WHEEL, THIS SIDE DOWN

POKE HOLE



INSTRUCTIONS:

Using pencil or a black pen or marker, shade in the moon phases on the reverse side according to the labels. Start with the new moon at 12PM and add the seven other moon phases in order, going counterclockwise. Be sure to color in the moon phases correctly, otherwise your calculator will not work properly!

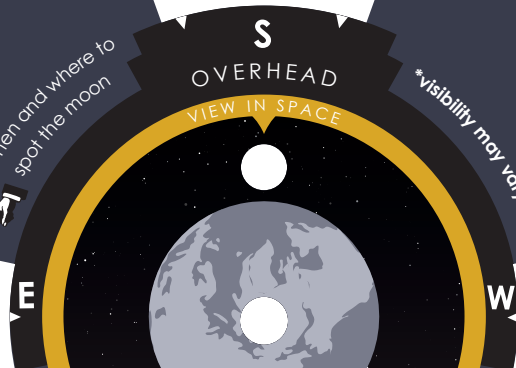
Unsure of the moon phases?
Make a Moon Journal, first:
go.nasa.gov/MoonJournal

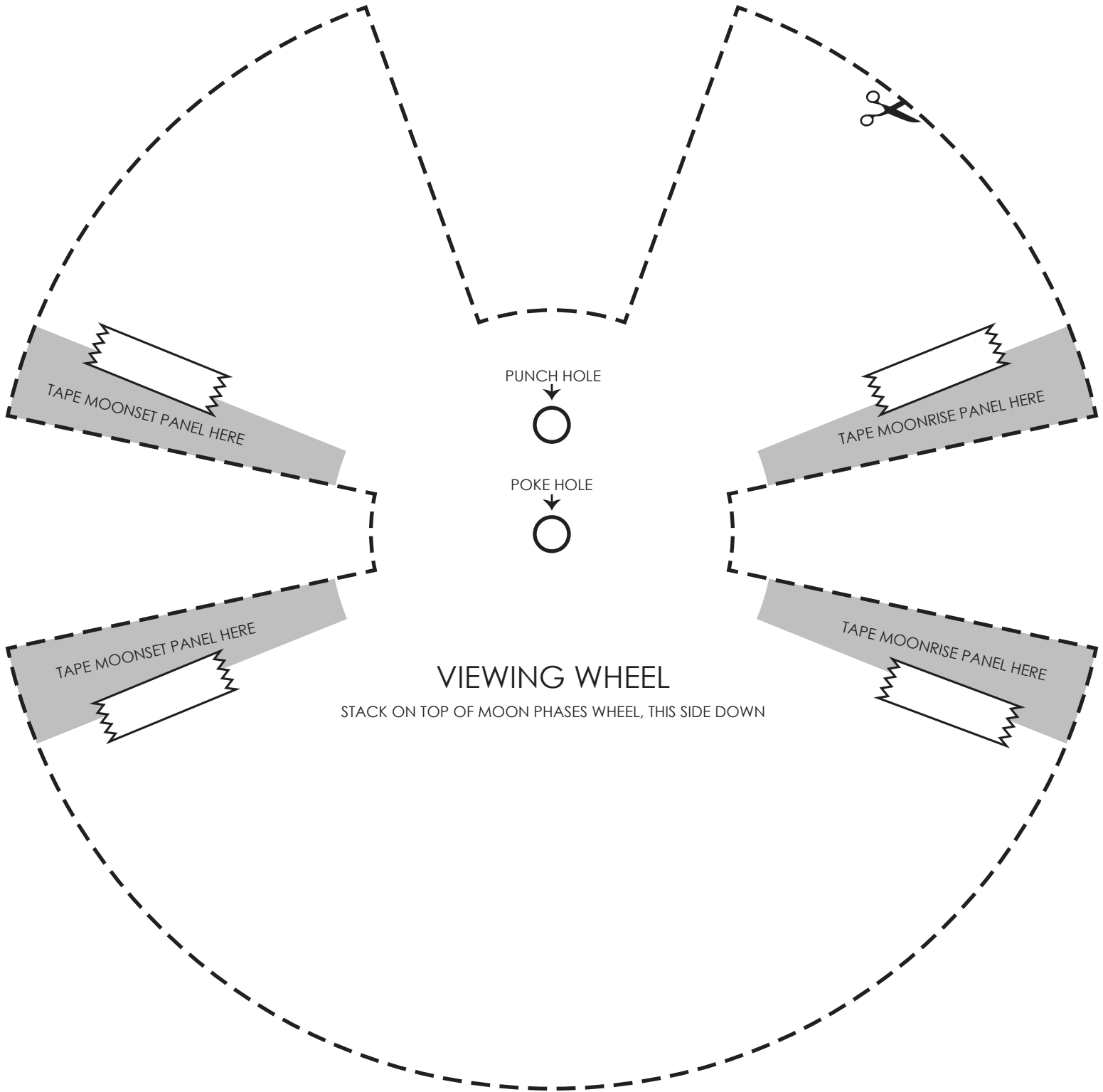
1. Match the **Moon Phases Wheel** with the moon phase on the calendar

2. See when and where to spot the moon

2026 MOON EVENTS
MAR **3** Total Lunar Eclipse*
AUG **27** Partial Lunar Eclipse*
DEC **23** Supermoon

*visibility may vary





PUNCH HOLE

POKE HOLE

VIEWING WHEEL

STACK ON TOP OF MOON PHASES WHEEL, THIS SIDE DOWN