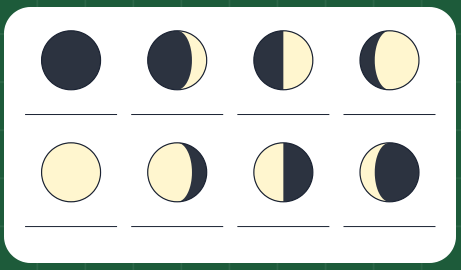
UpOnly Learning

GRADES 2–5 FREE ENGLISH

EARTH & SPACE SCIENCE

Moon-Phase Calendar

Color + black-and-white + separate answer key



What's inside

- 2 student pages in color, plus the same pages in black and white
- A separate answer key, in color and in black and white
- A teacher page with full source citations
- Original illustrations; every label and answer checked against NASA
- Find more free Earth & Space Science on the last page.

How to use it

- Send the calendar home for a month of Moon watching, then label the phases together
- Science centers, homework, morning work or sub plans
- Students check their work with the separate answer key, or keep the key for grading

About this activity

Recommended for Grades 2–5. The eight phases follow NASA's order. The cycle repeats about every 29.5 days.

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Moon-Phase Calendar

COLOR

Name: _____ **Date:** _____

Each night for a month, look at the Moon and draw what you see. Shade the dark part.

Month: _____

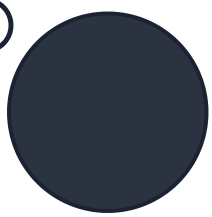
Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Day 7	Day 8	Day 9	Day 10	Day 11	Day 12
Day 13	Day 14	Day 15	Day 16	Day 17	Day 18
Day 19	Day 20	Day 21	Day 22	Day 23	Day 24
Day 25	Day 26	Day 27	Day 28	Day 29	Day 30

Moon-Phase Calendar

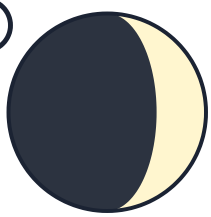
COLOR

Name: _____ **Date:** _____

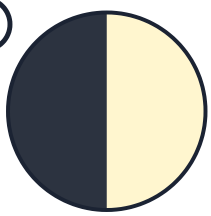
Write the name of each phase, in order. Use the word bank.

1 

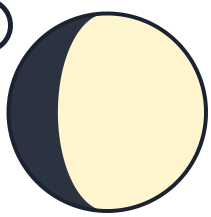
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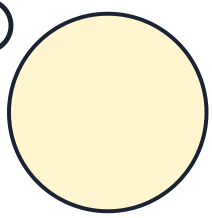
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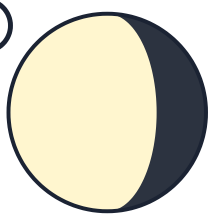
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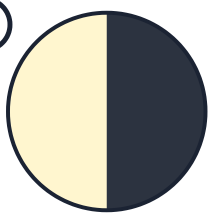
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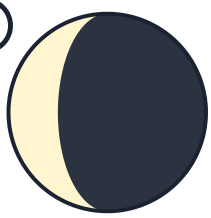
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6 

_____

7 

_____

8 

_____

WORD BANK **Waxing crescent** **Full Moon** **Waning crescent** **First quarter** **Waning gibbous** **New Moon** **Waxing gibbous** **Third quarter**

About how many days does it take for all the phases to repeat?

_____ days

Moon-Phase Calendar

BLACK AND WHITE

Name: _____ **Date:** _____

Each night for a month, look at the Moon and draw what you see. Shade the dark part.

Month: _____

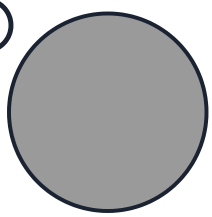
Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Day 7	Day 8	Day 9	Day 10	Day 11	Day 12
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Day 19	Day 20	Day 21	Day 22	Day 23	Day 24
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Moon-Phase Calendar

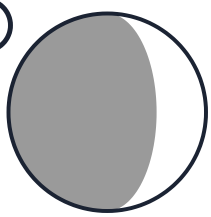
BLACK AND WHITE

Name: _____ **Date:** _____

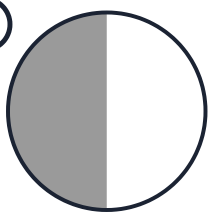
Write the name of each phase, in order. Use the word bank.

1 

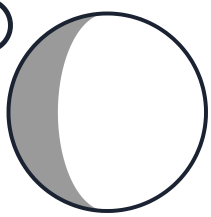
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2 

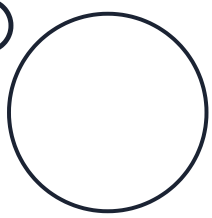
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3 

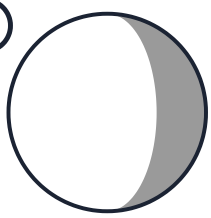
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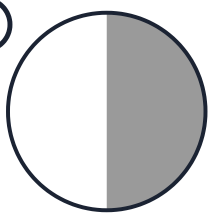
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5 

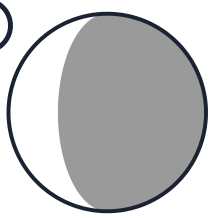
_____

6 

_____

7 

_____

8 

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WORD BANK **Waxing crescent** **Full Moon** **Waning crescent** **First quarter** **Waning gibbous** **New Moon** **Waxing gibbous** **Third quarter**

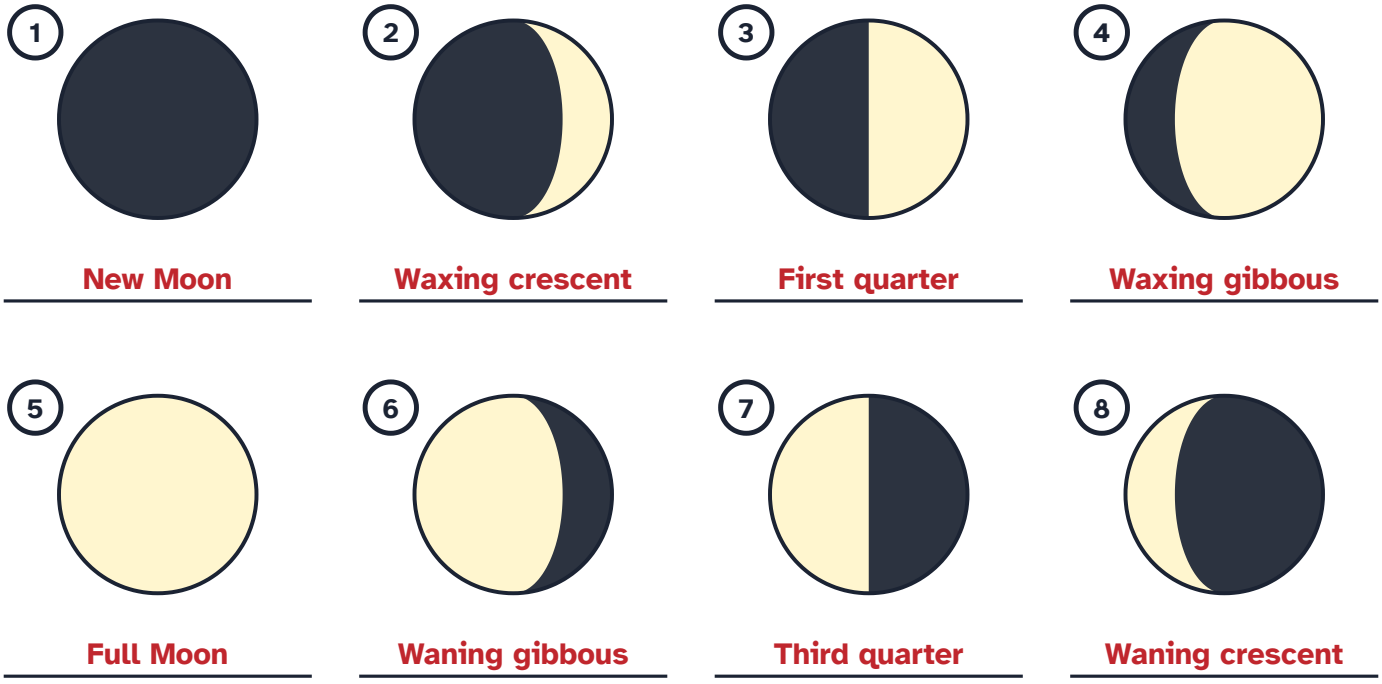
About how many days does it take for all the phases to repeat?

_____ days

Answer Key · Moon-Phase Calendar

COLOR

Keep this page for checking, or cut it off so students can check their own work.



1	New Moon
2	Waxing crescent
3	First quarter
4	Waxing gibbous
5	Full Moon
6	Waning gibbous
7	Third quarter
8	Waning crescent

The Moon has eight phases. They go: new Moon, then waxing crescent, then first quarter, then waxing gibbous, then full Moon, then waning gibbous, then third quarter, then waning crescent.

About how many days does it take for all the phases to repeat?

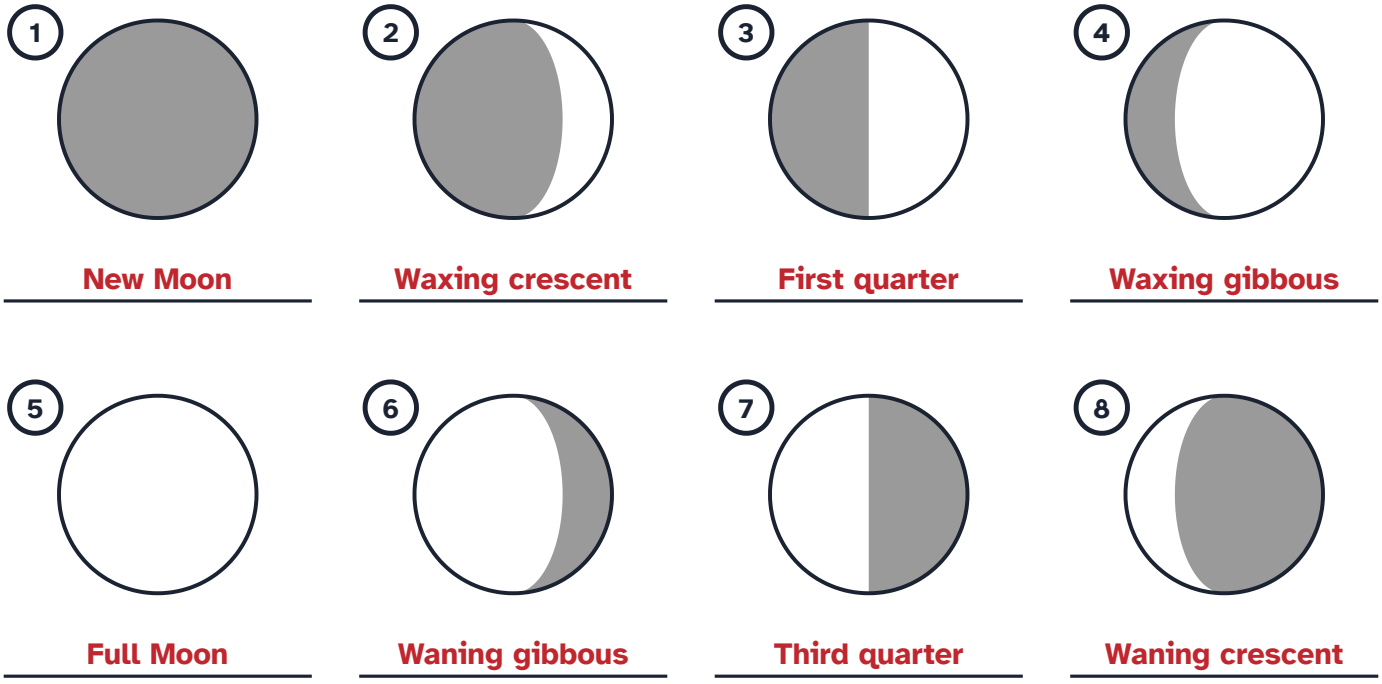
About 29.5 days	The full set of phases repeats about every 29.5 days, roughly once a month.

Sources. Facts: NASA. Full citations are on the teacher page.

Answer Key · Moon-Phase Calendar

BLACK AND WHITE

Keep this page for checking, or cut it off so students can check their own work.



1	New Moon
2	Waxing crescent
3	First quarter
4	Waxing gibbous
5	Full Moon
6	Waning gibbous
7	Third quarter
8	Waning crescent

The Moon has eight phases. They go: new Moon, then waxing crescent, then first quarter, then waxing gibbous, then full Moon, then waning gibbous, then third quarter, then waning crescent.

About how many days does it take for all the phases to repeat?

About 29.5 days	The full set of phases repeats about every 29.5 days, roughly once a month.

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Teacher page: sources and notes

Fact sources

NASA Science. “Moon Phases.” page updated 2026-08-03; checked 2026-10-26. https://science.nasa.gov/moon/moon-phases/
Used for: New Moon, Waxing crescent, First quarter, Waxing gibbous, Full Moon, Waning gibbous, Third quarter, Waning crescent; About 29.5 days · t21-eight-phases, t21-cycle

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