Oscar asks… Why does the Moon change shape?

My First Moon Diary



How to use your diary

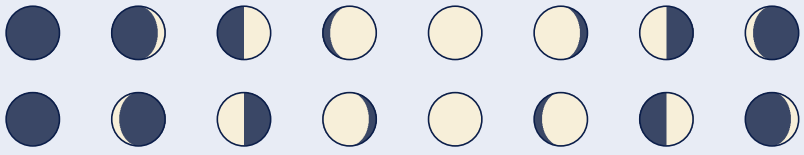
1. Every night, find the Moon in the sky with a grown-up.
2. Shade the part of the circle that looks dark, and leave the bright part white.
3. Write the date. Cloudy, or can't find the Moon? Draw a cloud instead!
4. Keep going for 30 nights and watch the shapes change.

Northern or Southern Hemisphere?

The Moon looks flipped depending on where you live. Find your row:

North (USA, Mexico, Spain)

South (Argentina, Chile)



new Moon *full Moon*

For parents: a gentle 30-night observation activity for ages 4–9.

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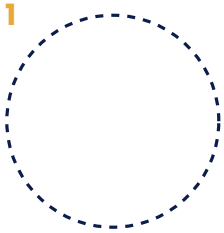
My First Moon Diary

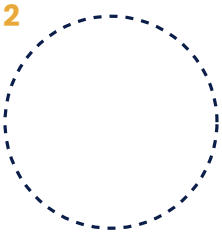
Nights 1 – 15

Night 1



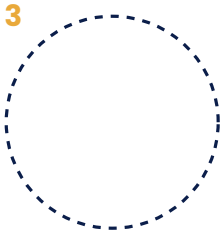
Date _____

Night 2



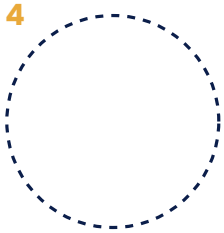
Date _____

Night 3



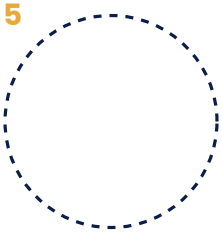
Date _____

Night 4



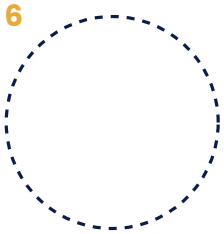
Date _____

Night 5



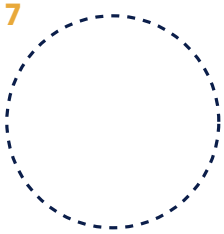
Date _____

Night 6



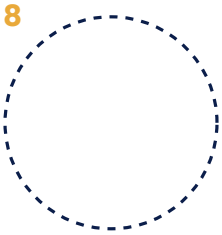
Date _____

Night 7



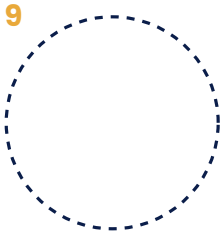
Date _____

Night 8



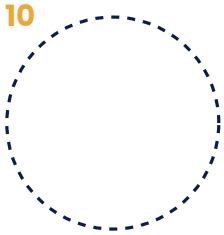
Date _____

Night 9



Date _____

Night 10



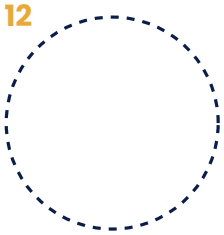
Date _____

Night 11



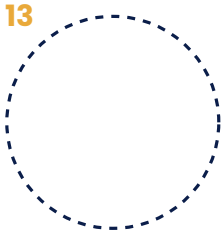
Date _____

Night 12



Date _____

Night 13



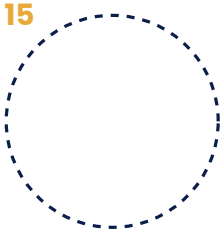
Date _____

Night 14



Date _____

Night 15



Date _____

Tip: The Moon isn't always out at bedtime. Some nights it rises late, or shows up in the morning sky!

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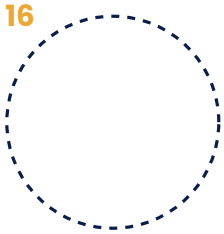
My First Moon Diary

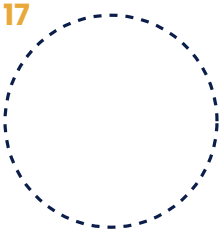
Nights 16 – 30

Night 16



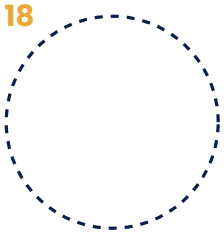
Date _____

Night 17



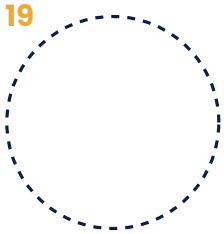
Date _____

Night 18



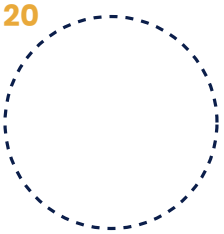
Date _____

Night 19



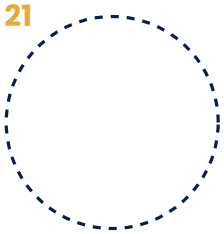
Date _____

Night 20



Date _____

Night 21



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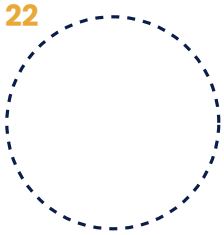
Night 22



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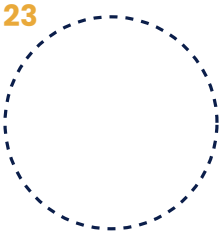
Night 23



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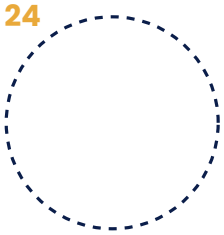
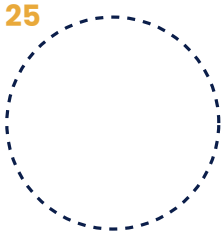
Night 24



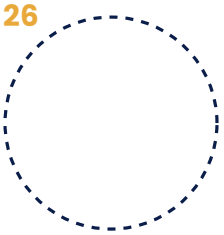
Date _____

Night 25



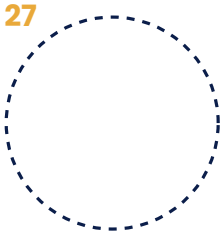
Date _____

Night 26



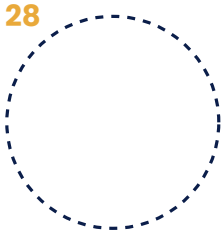
Date _____

Night 27



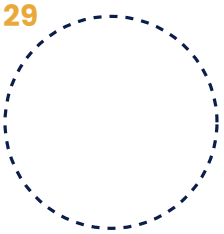
Date _____

Night 28



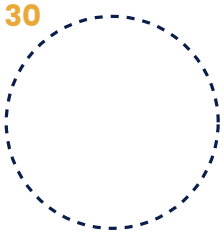
Date _____

Night 29



Date _____

Night 30



Date _____

Tip: The Moon isn't always out at bedtime. Some nights it rises late, or shows up in the morning sky!

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What did you discover?

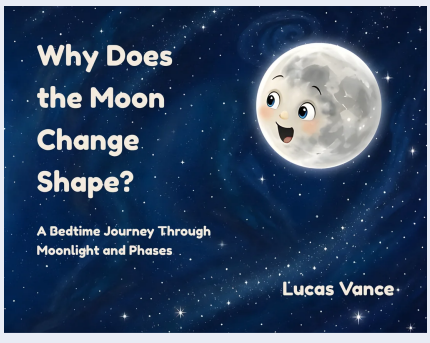
Did the Moon ever disappear completely? Which nights?

Which night was the Moon a full, round circle?

How many nights from one full Moon to the next?

What surprised you the most?

Draw your favorite Moon of the month:



Want to know why?

Why Does the Moon Change Shape?

Oscar finds out in his new bedtime science picture book. Ages 4–9.

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