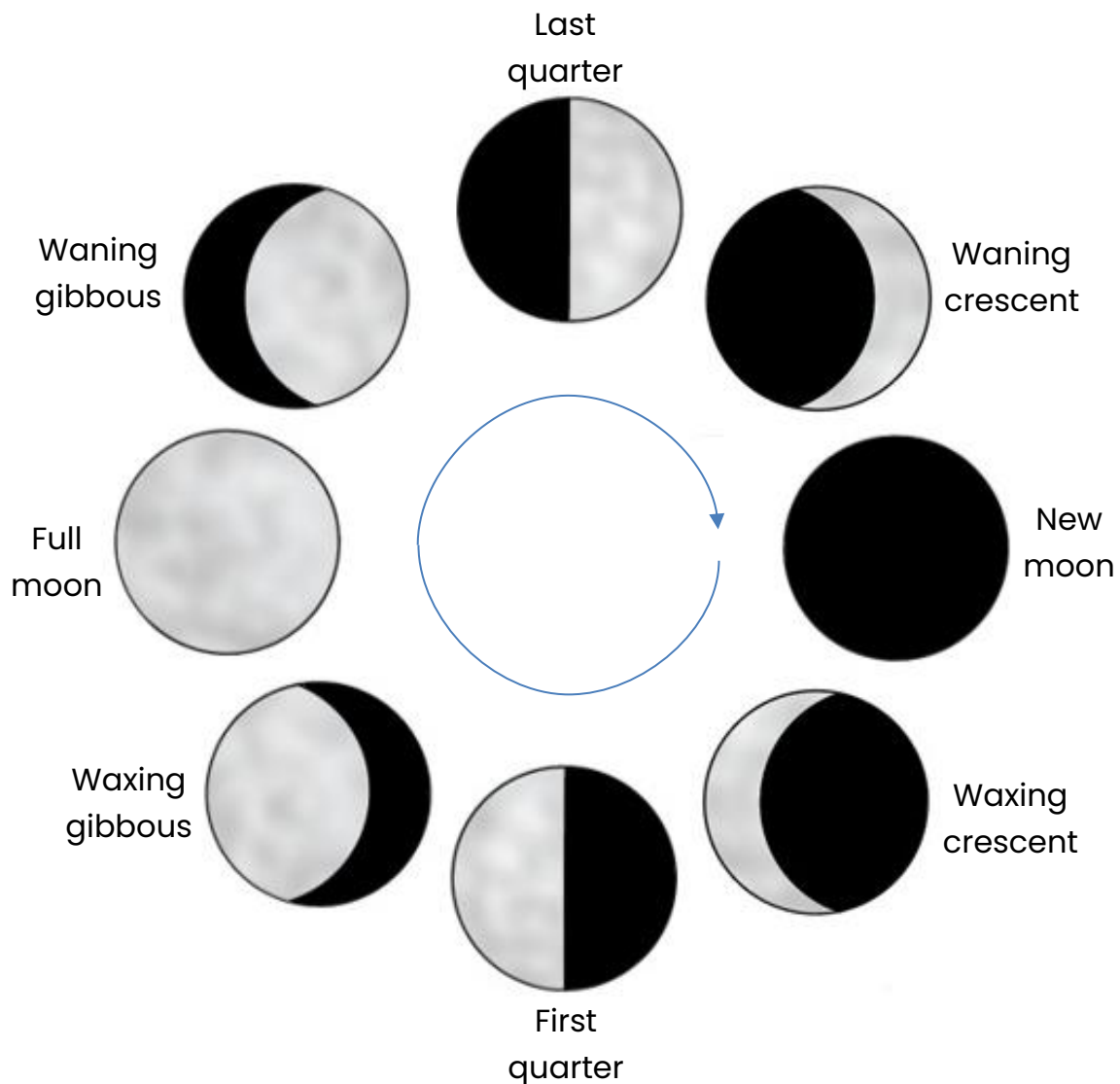


Moon Phases

Have you ever noticed that the Moon looks a different shape each night? Although it may look like it, it isn't changing shape at all! So, what's going on?

The reason we see the Moon at night is because the Sun shines on it – the Moon doesn't produce its own light. As the Moon **orbits** (travels around) Earth, the Sun lights up different parts of it.

On Earth, we have a different view of the lit-up portion of the moon each night, depending on where the moon is in its orbit. This makes it appear different shapes! We call these shapes **phases**. The moon goes through eight phases every 29.5 days. See them below!



DID YOU KNOW?



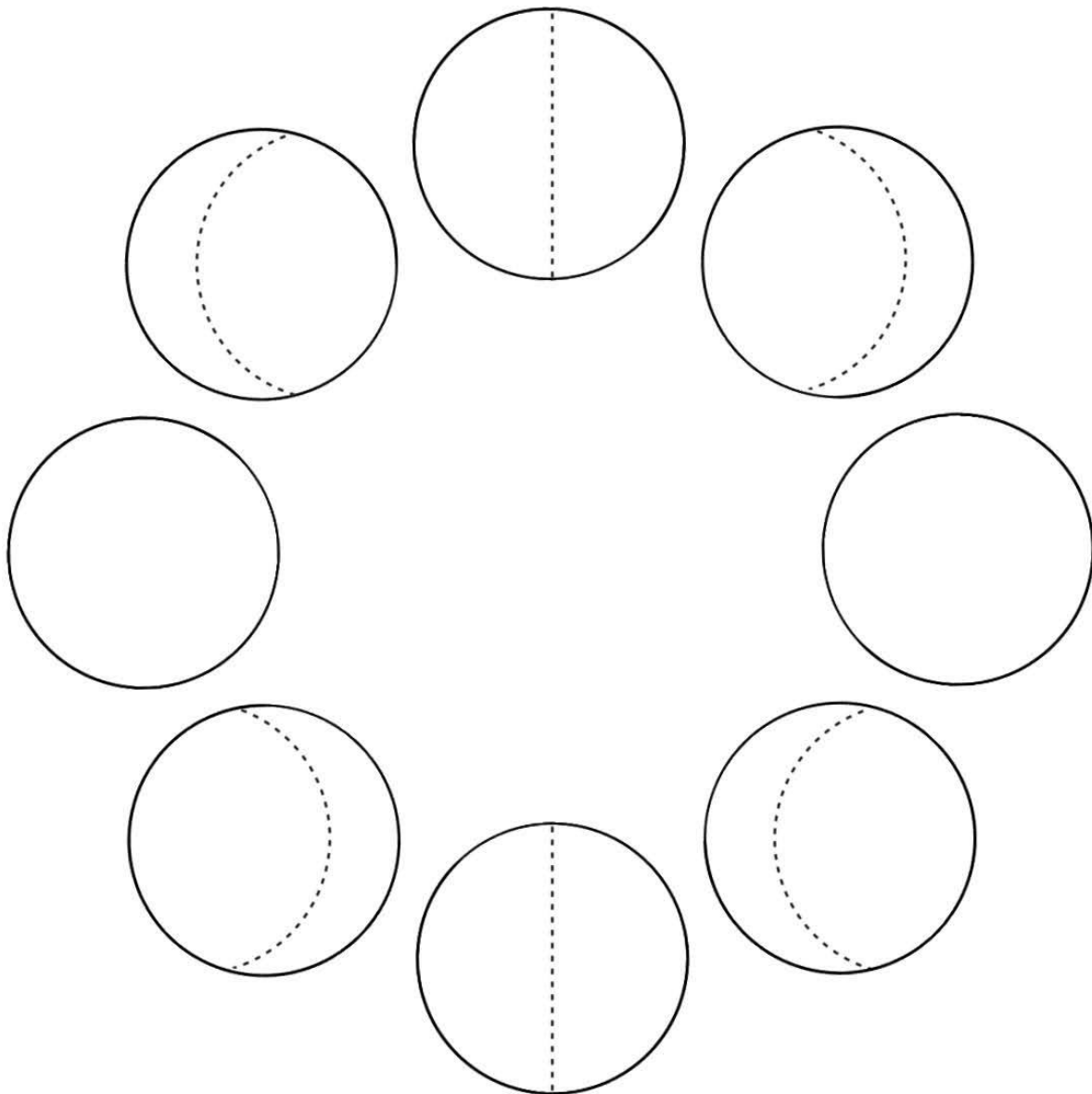
John Tebbutt was a famous **astronomer** (a scientist who studies things in outer space) who lived in Windsor, NSW. Using a telescope, he watched as the Moon travelled around Earth and passed in front of stars, hiding them from view – this is known as a **lunar occultation**.

Moon Phases

Test your understanding!

Do you remember the names of the eight different moon phases? Can you recall what they each look like? Label and colour in the sheet below.

Hint: If you get stuck, check the previous page.



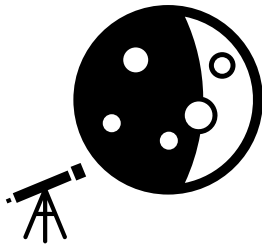
Take a look at the sky tonight. What phase do you think the moon is in?

Make your own moon flip book!

Instructions:

1. **Observe** the moon each night over the next month.
2. **Record** what the date, time and weather were when you looked at the moon. Did clouds block your view?
3. **Draw** what the moon looks like each night, using the circle as a guide. If it looks a slightly different colour, you may want to use coloured pencils.
4. After you've filled in each of the records below, cut them out following the dotted line. You can ask an adult to help you.
5. Put each of the records in date order, with the oldest at the bottom.
6. Staple your records together. You can now flip through the pages to watch the moon pass through all of its phases!

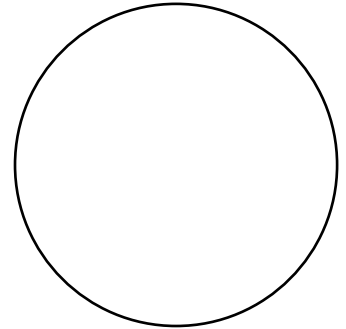
Moon Watch Flip Book



Date: _____

Time: _____

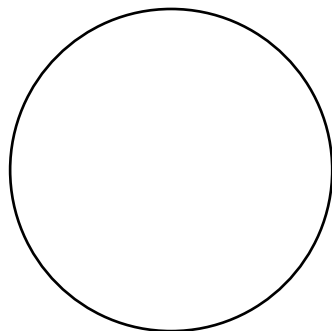
Weather: _____



Date: _____

Time: _____

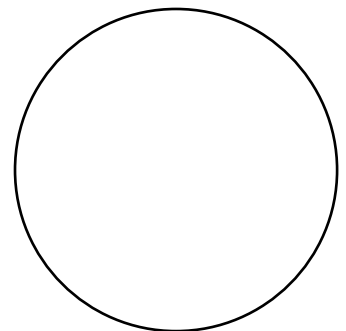
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Date: _____

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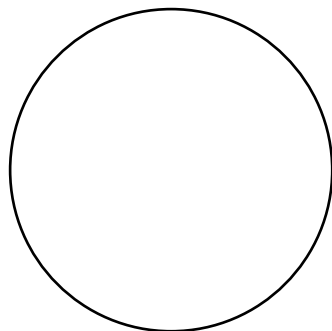
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Date: _____

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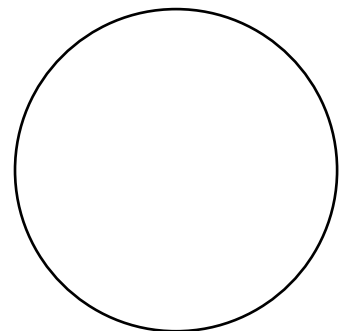
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Date: _____

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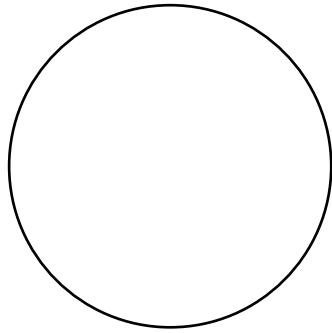
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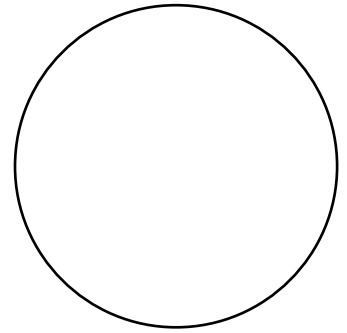
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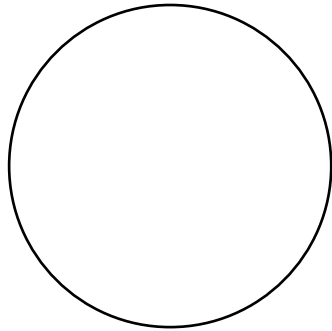
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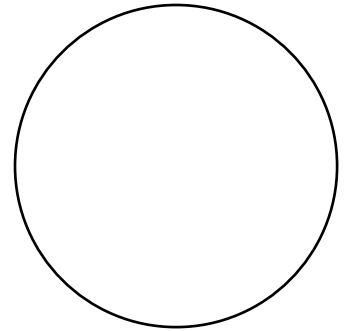
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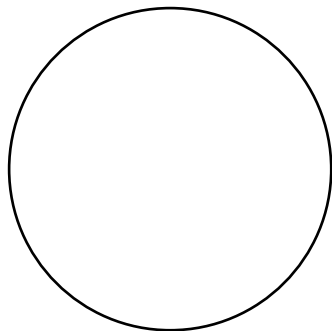
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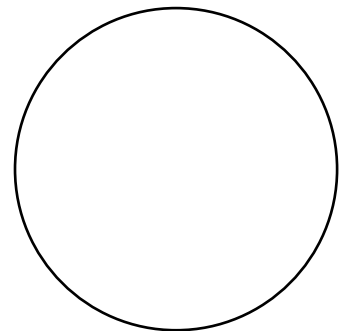
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Date: _____

Time: _____

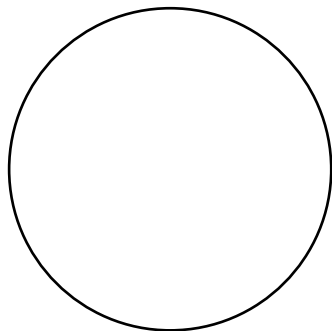
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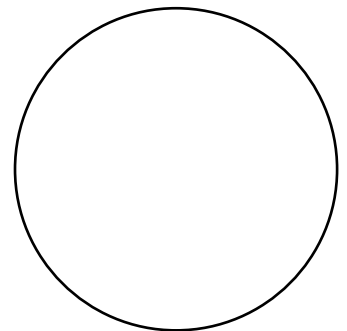
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Date: _____

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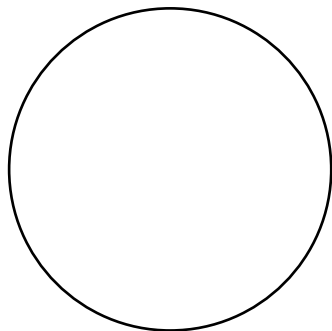
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Date: _____

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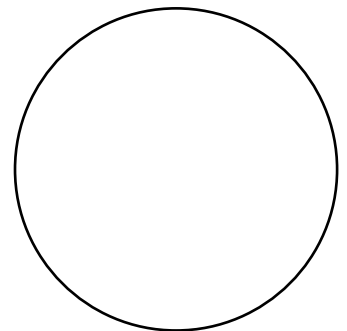
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Date: _____

Time: _____

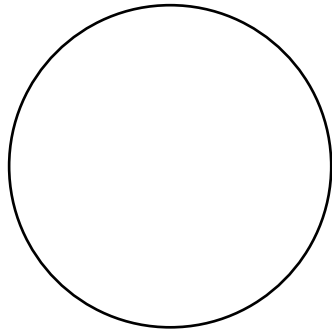
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Date: _____

Time: _____

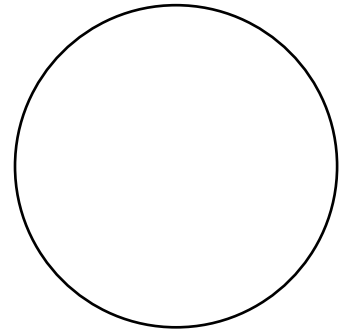
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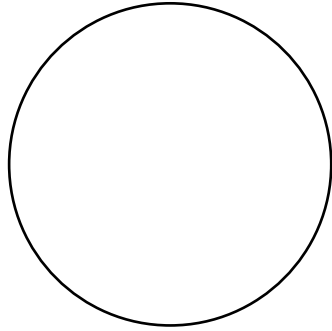
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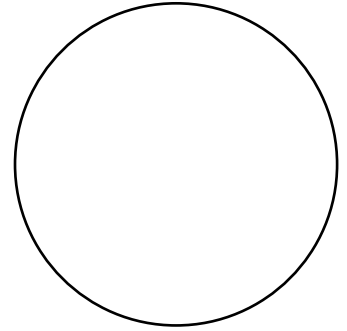
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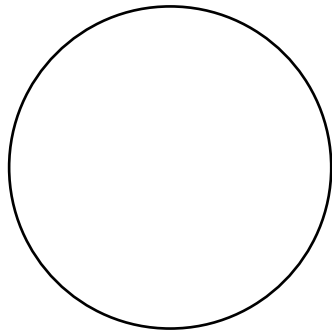
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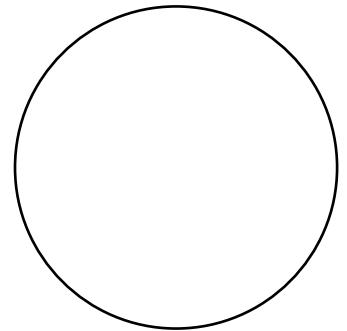
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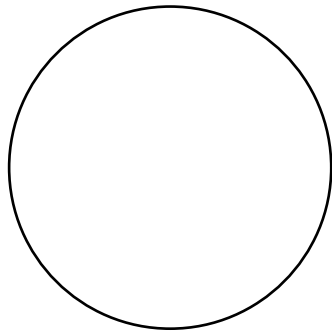
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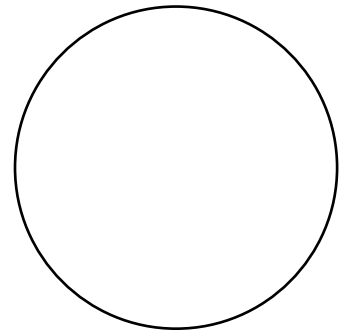
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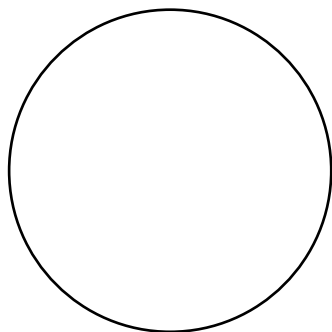
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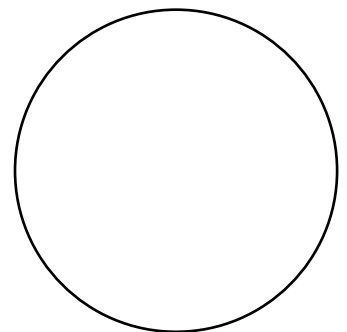
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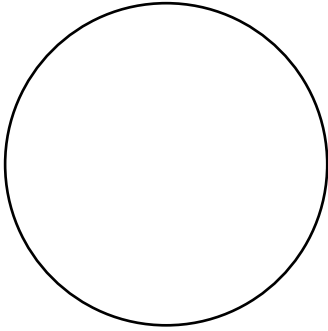
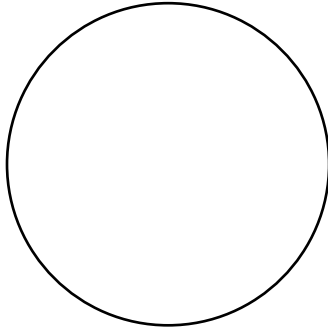
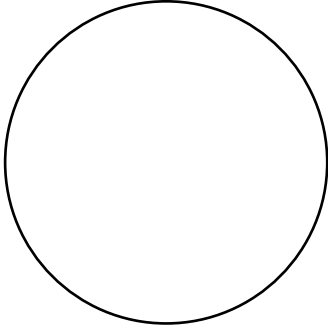
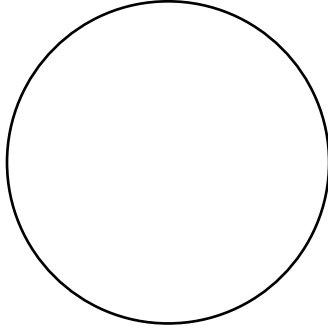


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Date: _____ Time: _____ Weather: _____ _____		Date: _____ Time: _____ Weather: _____ _____	
Date: _____ Time: _____ Weather: _____ _____		Date: _____ Time: _____ Weather: _____ _____	

DID YOU KNOW?



There is a crater on the moon named after John Tebbutt, a famous astronomer who lived in Windsor, NSW. The crater is called *Tebbutt!*