


1 Phases of the Moon



**Basic questions
but can you
answer them?**



Why can we not see all of the moon?

How can we see the moon?

How long does an orbit of the moon take?

Try this

You need:

- **A torch**
- **A ball or balloon**

Place the ball/balloon some distance away from you

Shine the torch on the ball

How does the ball appear, now?

We see only half the moon like the ball.

Q. WHY?

Why do we only see phases of the moon?

Answer: It depends on the moon's position compared to the earth.

As the moon revolves around the earth, we see half of it.

Sometimes we can only see parts or phases being illuminated

Sunlight reflects off the moon.



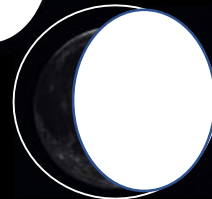
New moon



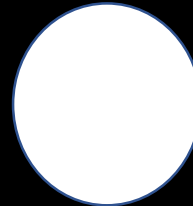
Waxing moon



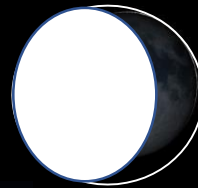
First quarter



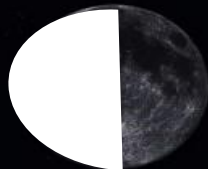
Waxing gibbous



Full moon



Waxing gibbous



Third quarter



Waxing/waning crescent





Let's try a little learning

1. Try to remember at least 2 moon phases and beside each, write its name. Repeat if necessary.

Hot tip!

2. Learn by looking, drawing, telling someone and/or write down their names.

3. Cover up the pictures. Write down each phase's name. Draw each phase beside its name.

Check your answer by looking at this sheet.



2. Try to learn as many phase names as you can then try to draw them



Hot tip!

Look at the shape of the white area.

Look at where it is placed.

For more moon phase activities, please refer to '2 Phases of the Moon'



**What have
you
learned?**