



# 15-minute Family STEAM Phases of the Moon

## Supplies Provided

2 large clear plastic cups  
Yellow paper  
Black paper  
List of the phases of the moon

## Supplies from Home

Black permanent marker pen  
Tape or Glue  
Scissors  
Ruler

1. Cut a rectangular piece of black construction paper with the height of the plastic cup as the length of the paper.

2. Paste the yellow circle on the black construction paper.

3. Roll the black paper up with the yellow circle facing out. Insert the roll of black paper into one of the plastic cup. Make sure that the yellow circle is not covered by the black paper. Then secure the black paper onto the cup.



4. Put this plastic cup with the black paper and yellow circle INTO the second plastic cup. NOTE: We will be drawing on the second plastic cup that's outside in the following steps.



5. Start by locating the yellow circle and label the full moon under the yellow circle. \*\*The names of each moon phase can be found on the back of these instructions\*\*

6. Imagine the cups like a clock, with the full moon as the 12'o clock position, turn the cup so that the yellow circle is now in the 3'o clock position. Trace the outline of the left half of the yellow circle and fill in with the black marker. The left half of the yellow circle will be covered and the right half will appear as the first quarter moon. Label the first quarter moon.

7. Now turn the cup so that the yellow circle is in the 6'o clock position. Using the black permanent marker pen, trace the outline of the yellow circle and fill in completely with the black marker. The yellow circle will be covered and will look like the new moon. Label the new moon.

8. Turn the cup so that the yellow circle is now in the 9'o clock position. Trace the outline of the right half of the yellow circle and fill in with the black marker. The right half of the yellow circle will be covered and the left half will appear as a half moon or third quarter moon. Label the third quarter moon.

9. Fill in the remaining phases of the moon. A chart is on the back of this paper with the names of each phase.

# Phases of the Moon in order

The eight Moon phases of a lunar month are divided into four primary and four intermediate (waxing and waning) Moon phases:

New Moon

Waxing Crescent Moon

First Quarter Moon

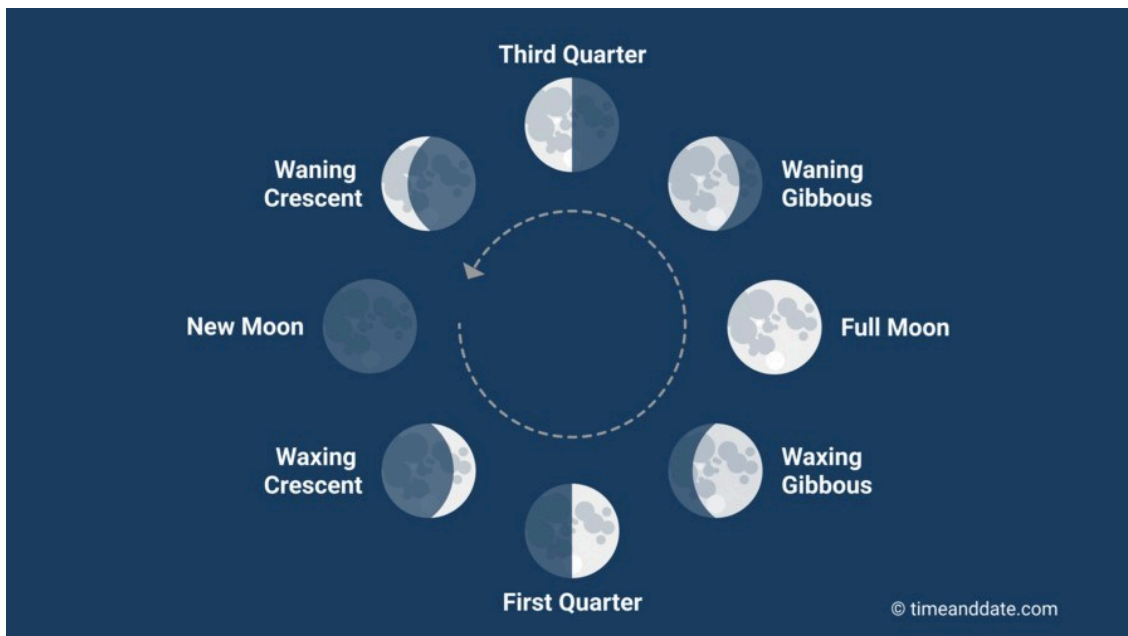
Waxing Gibbous Moon

Full Moon

Waning Gibbous Moon

Third Quarter Moon

Waning Crescent Moon



Adapted from [happytotshelf.com](http://happytotshelf.com)