

# Tracking The Moon

Astronomy is one of the earliest sciences. To enjoy astronomy we must turn our eyes to the skies. Let's begin by watching the moon.

You've probably noticed that the shape of the moon seems to change over time. Starting today, if possible, and for the next few weeks, pay attention to the shape, or phase, of the moon, and try to match it up with one of the pictures from the chart on the back of this sheet. When you have found a match, fill in the date in that box. (By doing this, we'll see if the phases of the moon follow a pattern).

You may not be able to make observations every day or night. That's okay. Just keep filling in the chart when you see the moon, until the moon's phases start to repeat.

## Conclusions - for when you're done with the chart

How many lunar observations did you make? \_\_\_\_\_

How many observations did it take before you could start to see a pattern? \_\_\_\_\_

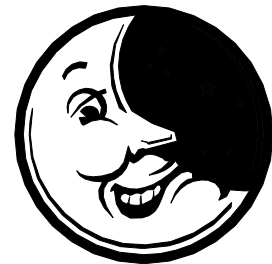
How many days did it take for the moon to change by half? (for example: full to half, or half to full) \_\_\_\_\_

How many days before the moon completed an entire cycle and began repeating the shapes? \_\_\_\_\_

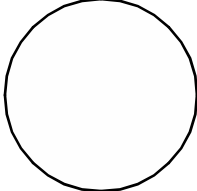
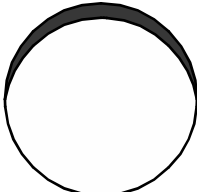
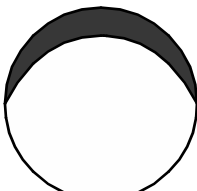
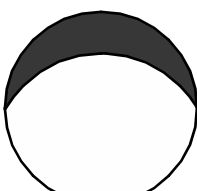
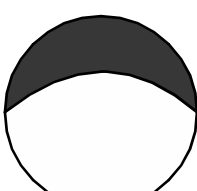
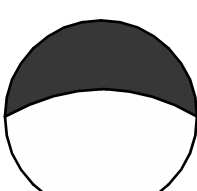
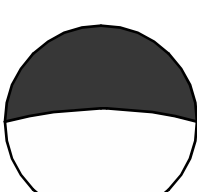
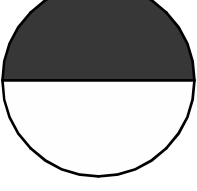
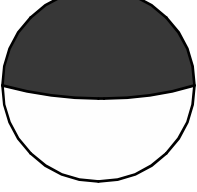
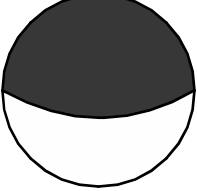
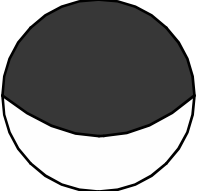
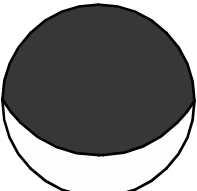
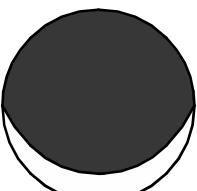
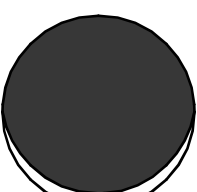
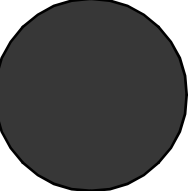
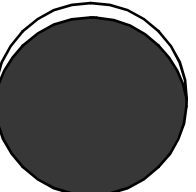
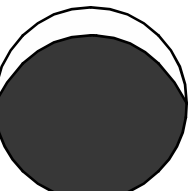
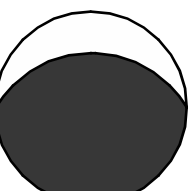
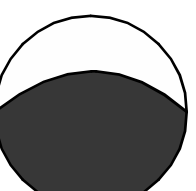
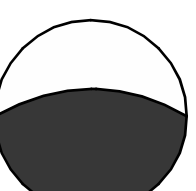
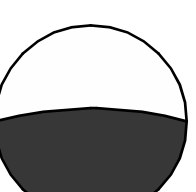
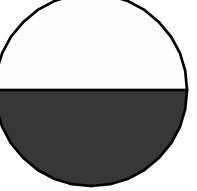
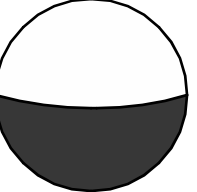
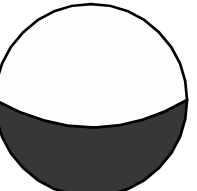
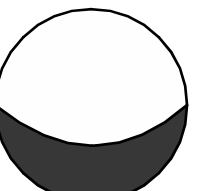
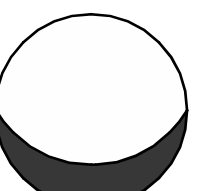
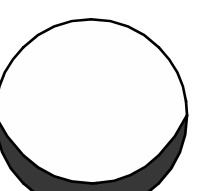
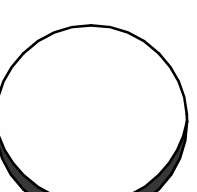
## VOCABULARY:

**WAXING** means growing, used when the lighted area of the moon is increasing.

**WAXING** means shrinking away, used when the lighted area of the moon is shrinking.



What was born before Adam, but has not yet reached five weeks of age?

 <b>Full Moon</b> DATE:	 DATE:	 DATE:	 DATE:	 DATE:	 DATE:	 DATE:
 <b>Half Moon</b> DATE:	 DATE:	 DATE:	 DATE:	 DATE:	 DATE:	 DATE:
 <b>New Moon</b> (You won't find it!) DATE:	 DATE:	 DATE:	 DATE:	 DATE:	 DATE:	 DATE:
 <b>Half Moon</b> DATE:	 DATE:	 DATE:	 DATE:	 DATE:	 DATE:	 DATE: