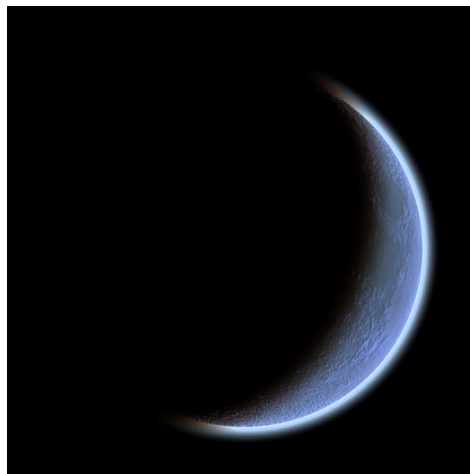


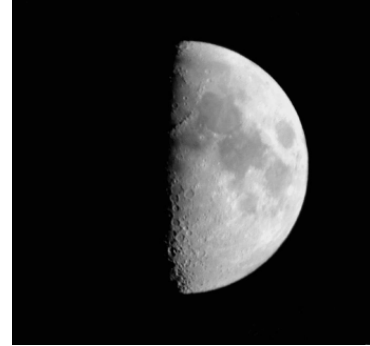
Lesson 3. Introduce Moon Phases

- Watch these two short videos on the phases of the moon:
 - <http://www.youtube.com/watch?v=mZNfZJZs3R8&feature=related>
 - <http://www.youtube.com/watch?v=2aFGNGEcDOK&feature=related>
- Match the name description of the moon phase to the picture. (See sheet below.) Only four of the eight phases are on the chart. If the child is interested in all eight phases, have him or her describe the other phases and draw pictures of them. *Hint:* in the northern hemisphere, the waxing moon is on our right side, so the picture at right is of a waning moon and the picture below is of a waxing moon.
- Go to the following Web site and have the child find the phase of the moon when he/she was born: <http://tycho.usno.navy.mil/vphase.html>
- **Chart the Moon Phases**
 - Use this printable calendar with drawings of the moon: http://www.ioncmaste.ca/homepage/resources/web_resources/CSA_Astro9/files/html/module3/lessons/lesson4/charting_moon.pdf
 - Every night for a month, have the child shade in what part of the moon he/she can see.
 - After the month, see how many of the phases of the moon the child can identify.
- Have the child play the matching game on the next page.



The pictures don't match the moon phase! Help the moon find its phase by drawing a line from the description to the correct picture of the moon phase.

New Moon: The moon is all dark because the lit-up half is facing away from earth



Quarter Moon: A week after the New Moon, we can see half of the half that shows, so $\frac{1}{4}$ of the moon



Full Moon: Two weeks after the New Moon, we can see the entire lit-up half of the moon.



Last Quarter (or Third Quarter) Moon: Three weeks after the New Moon, we can see half of the lit-up part again. It's the other half than we saw before.

