



### Sun, Moon and visible planet positions on September 22, 2018

The Sun appears to move 1/12th the way around the ecliptic each month as the Earth orbits the Sun, while the Moon appears to circle the ecliptic each month as it orbits the Earth. Visible planets move at different speeds based on their own and Earth's orbits. The entire ecliptic appears to spin once every day as Earth spins.

### Viewing Instructions

- 1) Look in from below to see constellations.
- 2) In small darkened room, shine mobile phone LED torch light in from below to see stars on ceilings and walls.

More information and files at [Globetarium.com](http://Globetarium.com) and [Facebook.com/Globetarium](https://www.facebook.com/Globetarium).

### Construction Instructions

- 1) Print on both sides of paper and laminate or print on heavier paper. Center image before printing.
- 2) Cut along outlines of windmill shape.
- 3) Poke out holes for stars using a push-pin.
- 4) Fold up along grey dashed lines.
- 5) Tape along edges with clear tape.

Facing South right before sunrise. The Moon has already set in the West. The "winter constellations" including Orion and Gemini are in front of you, but will soon be invisible in the daytime sky.

