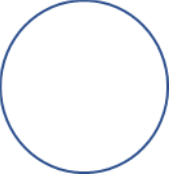
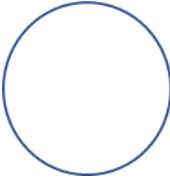
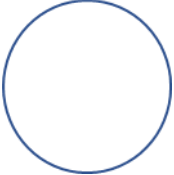
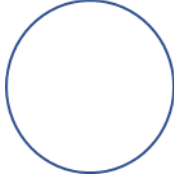
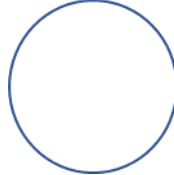
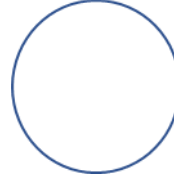
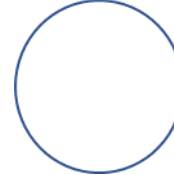
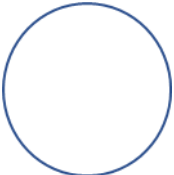
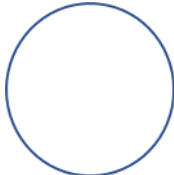
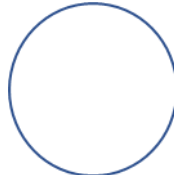
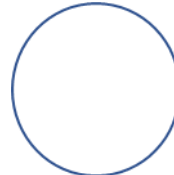
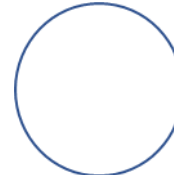
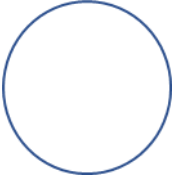
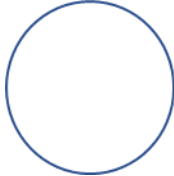
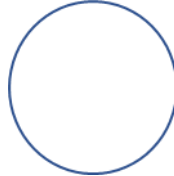
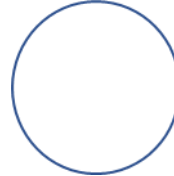
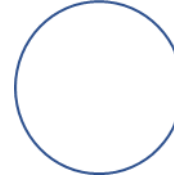


<p>November 1, 2019 Phase: _____ Observation: _____ _____ _____</p> 	<p>November 2, 2019 Phase: _____ Observation: _____ _____ _____</p> 	<p>November 3, 2019 Phase: _____ Observation: _____ _____ _____</p> 	<p>November 4, 2019 Phase: _____ Observation: _____ _____ _____</p> 	<p>November 5, 2019 Phase: _____ Observation: _____ _____ _____</p> 
<p>November 6, 2019 Phase: _____ Observation: _____ _____ _____</p> 	<p>November 7, 2019 Phase: _____ Observation: _____ _____ _____</p> 	<p>November 8, 2019 Phase: _____ Observation: _____ _____ _____</p> 	<p>November 9, 2019 Phase: _____ Observation: _____ _____ _____</p> 	<p>November 10, 2019 Phase: _____ Observation: _____ _____ _____</p> 
<p>November 11, 2019 Phase: _____ Observation: _____ _____ _____</p> 	<p>November 12, 2019 Phase: _____ Observation: _____ _____ _____</p> 	<p>November 13, 2019 Phase: _____ Observation: _____ _____ _____</p> 	<p>November 14, 2019 Phase: _____ Observation: _____ _____ _____</p> 	<p>November 15, 2019 Phase: _____ Observation: _____ _____ _____</p> 

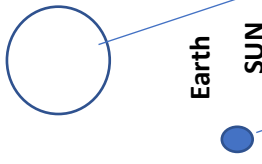
<p><b>November 16, 2019</b> Phase: _____ Observation:</p> <hr/> <hr/> <hr/> <hr/> 	<p><b>November 17, 2019</b> Phase: _____ Observation:</p> <hr/> <hr/> <hr/> <hr/> 	<p><b>November 18, 2019</b> Phase: _____ Observation:</p> <hr/> <hr/> <hr/> <hr/> 	<p><b>November 19, 2019</b> Phase: _____ Observation:</p> <hr/> <hr/> <hr/> <hr/> 	<p><b>November 20, 2019</b> Phase: _____ Observation:</p> <hr/> <hr/> <hr/> <hr/> 
<p><b>November 21, 2019</b> Phase: _____ Observation:</p> <hr/> <hr/> <hr/> <hr/> 	<p><b>November 22, 2019</b> Phase: _____ Observation:</p> <hr/> <hr/> <hr/> <hr/> 	<p><b>November 23, 2019</b> Phase: _____ Observation:</p> <hr/> <hr/> <hr/> <hr/> 	<p><b>November 24, 2019</b> Phase: _____ Observation:</p> <hr/> <hr/> <hr/> <hr/> 	<p><b>November 25, 2019</b> Phase: _____ Observation:</p> <hr/> <hr/> <hr/> <hr/> 
<p><b>November 26, 2019</b> Phase: _____ Observation:</p> <hr/> <hr/> <hr/> <hr/> 	<p><b>November 27, 2019</b> Phase: _____ Observation:</p> <hr/> <hr/> <hr/> <hr/> 	<p><b>November 28, 2019</b> Phase: _____ Observation:</p> <hr/> <hr/> <hr/> <hr/> 	<p><b>November 29, 2019</b> Phase: _____ Observation:</p> <hr/> <hr/> <hr/> <hr/> 	<p><b>November 30, 2019</b> Phase: _____ Observation:</p> <hr/> <hr/> <hr/> <hr/> 

## Moon Phases Re-visit Activity

**Learning Target:** I can develop a moon journal to demonstrate the phases of the moon by showing the relative position of the sun, Earth, and moon.

Students will keep a Moon Journal for the month of November. Each day will include shading in of the moon as student sees it in the night sky. Students will also need to show the positions of the sun and Earth in the diagram relative to the phase of the moon. Where would the Earth be? Where would the Sun be? Are there any other visible celestial bodies? What are they? Where are they located relative to the moon?

November 1, 2019  
Phase: Waxing Crescent  
Observation: Crescent waxing to the left. Age of moon is 4.62 days. Clear starry night, Venus is visible lower right of moon.



Student work can be hand-drawn or completed on the computer.

Shade in Phase

Venus

### Rubric:

Level 4: 90 – 100 points

30 days included, correctly listed visible celestial bodies, provided at least one important fact about the moon for each observation day, position of sun and earth listed correctly each day.

Level 3: 80 -89 points

Between 25 and 29 days included, some visible celestial bodies, provided at least one important fact for most observation days, position of sun and earth is listed mostly correct.

Level 2: 70-79 points

Between 20 and 24 days included, few visible celestial bodies, a few important facts listed, position of earth and sun listed but inaccurate.

Level 1: 69 and below

Less than 20 days included, few to zero celestial bodies, few or inaccurate facts, earth and sun not present or presented incorrectly.

