

CRAFT / ACTIVITY

TOPICS: MOON PHASES, MODELING, TIDES

CREATED FOR CABRILLO AQUARIUM BY

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**Cabrillo
Marine
Aquarium**

MOON PHASE WALL HANGING

MATERIALS:

- Paper, moon template, or cardboard, to draw different moon phases on
- Stick, branch, chopstick, coat hanger
- String, shoe laces, raffia, ribbon or other 'ties'
- Something round to trace a circle (if drawing your own moons)
- Marker, pens, colored pencils, crayons, or other 'decoration' to make your moon
- Beads, buttons, sea glass or other items to tie or hang on strings (optional)
- Scissors

INSTRUCTIONS:

- 1.) **Create or Print out your Moon Template** (print out or make your own by tracing / making 8 circles)
- 2.) **Check out a moon phases diagram** for the Northern or Southern Hemisphere
- 3.) **Shade in and draw in the shapes of the 8 moon phases** (one will be 'open' for the new or dark moon, and one will be totally filled in for the full moon. Extension: If you're really interested in accuracy look up what the face of the moon actually looks like, and you can try and draw the different features on the face of the moon, as visible during the phases.
- 4.) **Cut out 8 moons**
- 5.) **Find a couple options for a hanging stick:** Check that your moons could fit along the length of your stick when they sit side by side. (if one or more moons is sitting past the length of your stick, you might need to find/choose a longer stick, or make your moons smaller.) Once your stick fits your moons you can start stringing.
- 6.) **Put a small hole at the top of each moon phase** (try and keep them in order or label the backs with numbers to keep them organized, make sure they face the right direction when you make your hole, if not you might end up with a moon in the wrong hemisphere!
- 7.) **Measure your strings.** Decide if you want to create a shape with your string hanging sequence. Cut your string according to the shape(s) you want to make. For example in the video the full moon had the longest string, and the matching moons on each side had matching strings to make a "V" shape. You could also make a "low to high / high to low" (uphill/downhill) shape or hang them straight across.

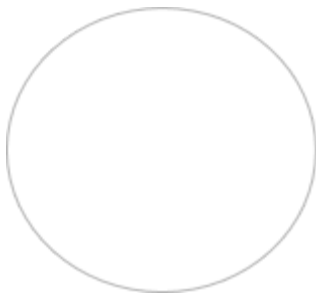


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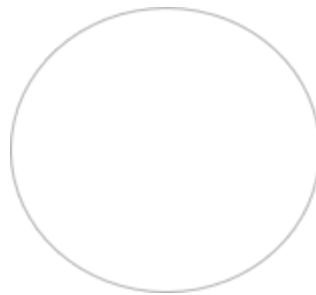
- 8.) **Tie string to the holes at the top of each moon.**
- 9.) **Extra Decoration...**would you like to add items to your strings? Beads, sea glass, rocks, buttons, or any other items you can tie on or thread the string through? Think about that now and add it before tying the moons to the stick.
- 10.) **Tie the moons on your stick.** Helpful hints: Place the full moon in the middle and work out from there evenly spacing the moons on your stick, and don't tie things too tight until you're happy with the lengths and placement of all the moons.
- 11.) Tie another longer string to each end of your stick, so that you can hanging your stick w/ moons somewhere you can see it often!

MOON PHASE TEMPLATE

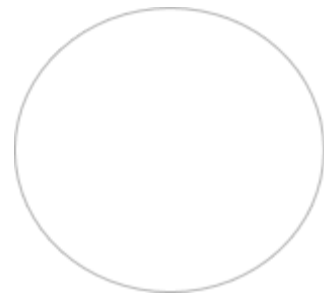
Waxing Crescent



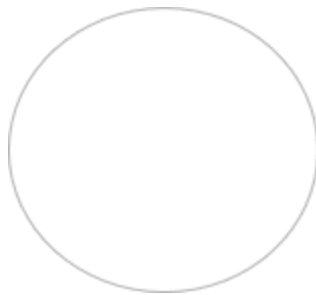
Waxing Quarter



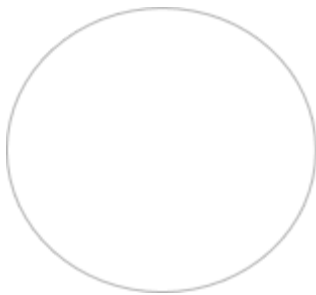
Waxing Gibbous



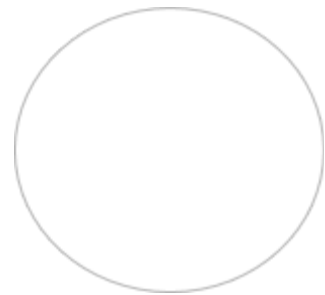
Full Moon



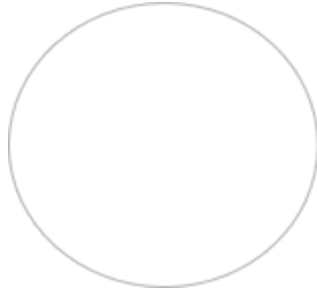
Waning Gibbous



Third Quarter



Waning Crescent



New Moon

