

Glowing Water



During her adventures, Moana encounters glowing water and even living creatures that glow! You can make a jar of water glow by mixing common items.

Materials

- 2 cups (½ L) tonic water
- clear glass jar
- food coloring
- 1 tablespoon Epsom salts
- ½ teaspoon dish soap
- dark room such as a closet or bathroom
- flashlight



1. Pour the tonic water into a jar. Add two drops of food coloring.
2. Slowly pour the Epsom salts into the jar. Watch the salt make bubbles in the water.
3. Add the dish soap. Mix it in by gently swirling the jar.
4. Turn off the light, or go to a dark room. Point a flashlight at the side of the jar.
5. Watch your water glow! Use different colors to make more glowing water.



STEAM Takeaway

Bioluminescence is light that living things make with chemical reactions. Chemical reactions of the water, salt, and soap in the jar caused the water to glow. The science of how chemicals interact is chemistry.

