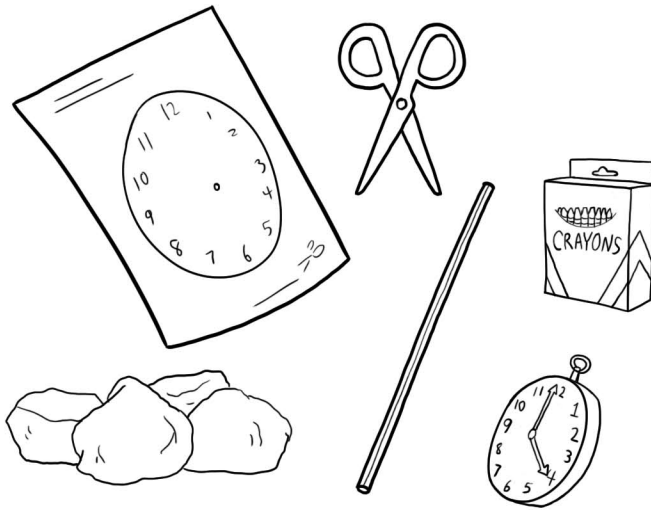


Make Your Own Sundial

Remember: Never look directly at the sun.

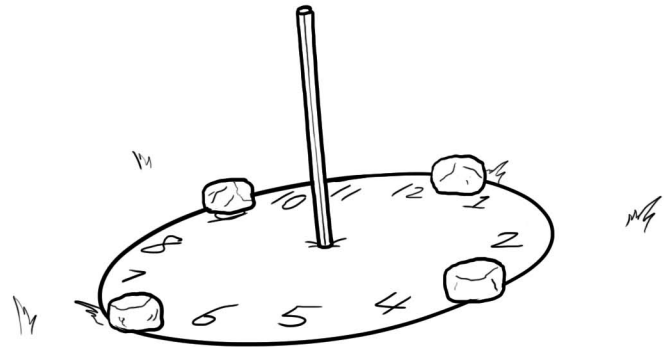


What You Need:

- 1) The second page
- 2) Safety scissors
- 3) 4 rocks
- 4) A straw or coffee stirrer
- 5) A clock
- 6) Crayons

1) Cut out the sundial on the second page.

2) Decorate your sundial, filling in the circles with numbers so that it looks like a clock. Feel free to use more than just crayons to decorate with!

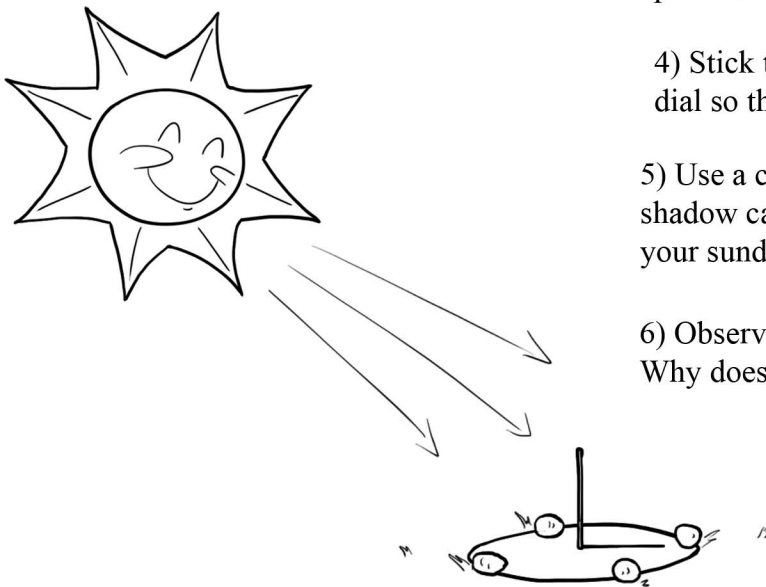


3) Take everything outside and put your sundial on the ground. Use the rocks to hold down the sundial and stop the wind from blowing it away. You may want to glue it to a piece of cardboard.

4) Stick the straw or coffee stirrer into the center of the sundial so that it goes into the ground.

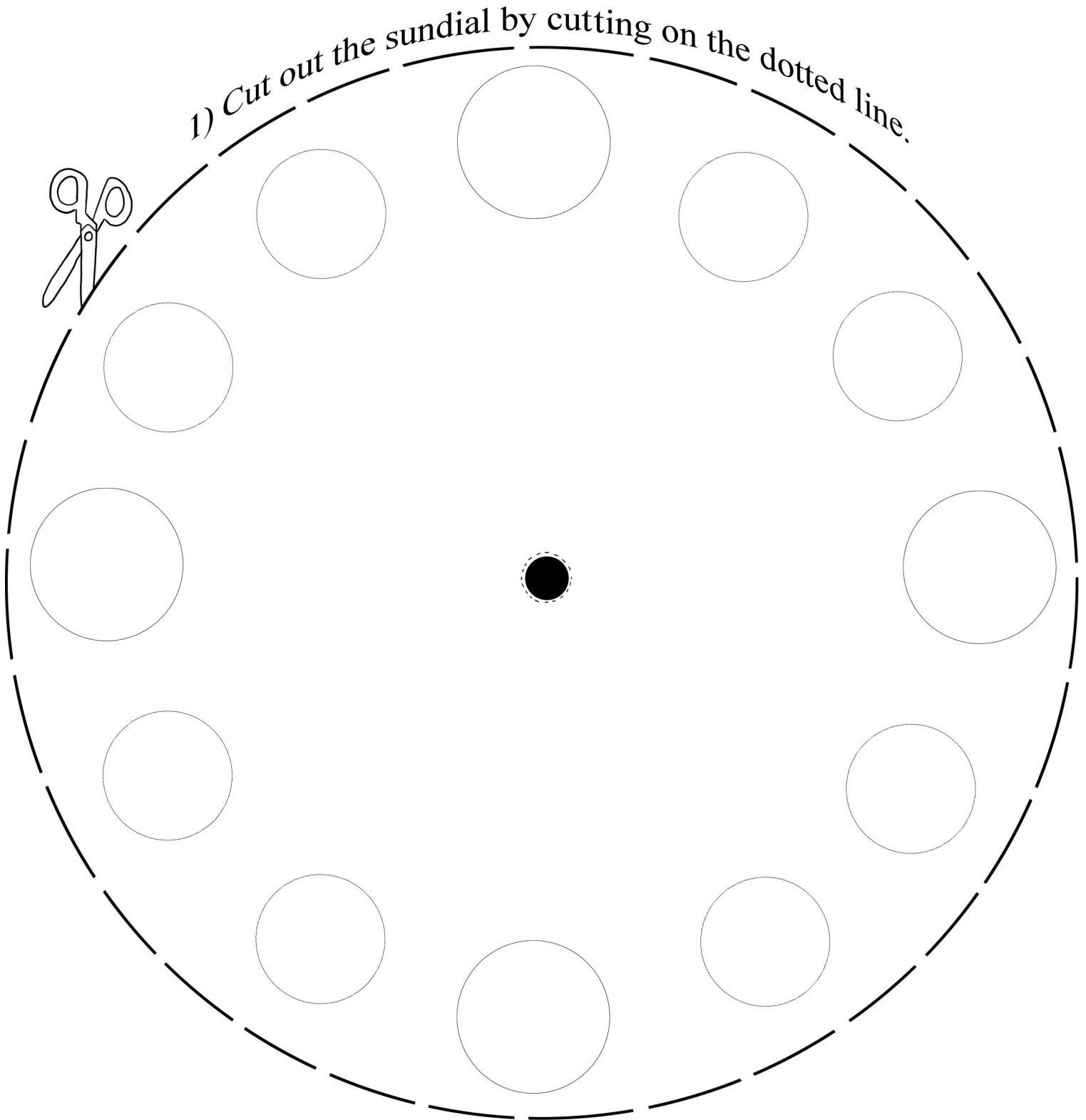
5) Use a clock to see what time it is. Turn your sundial so that the shadow cast by the straw points to the correct hour on your sundial.

6) Observe how the shadow moves like the hands on a clock. Why does the shadow move?



Sundial

If you need help cutting, ask a grown-up for help.



- 2) Cut out the small black hole in the center of the sundial.
- 3) Use your crayons to fill in the 12 other circles with numbers like on a clock.
- 4) Decorate your sundial! Have fun and use your favorite colors!