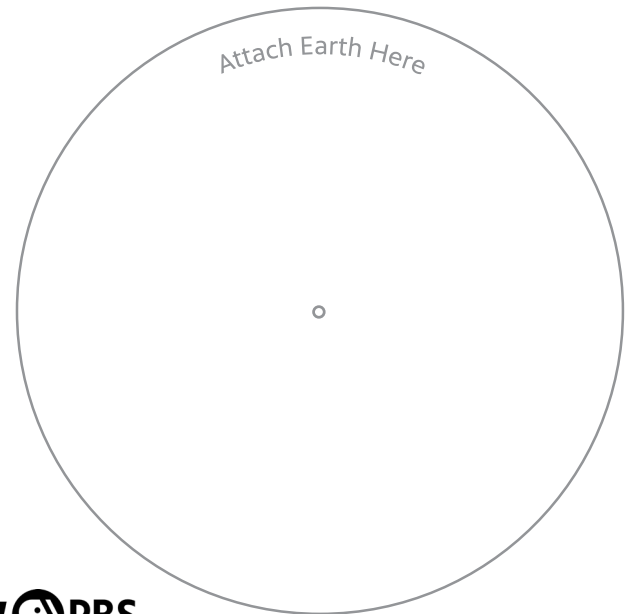
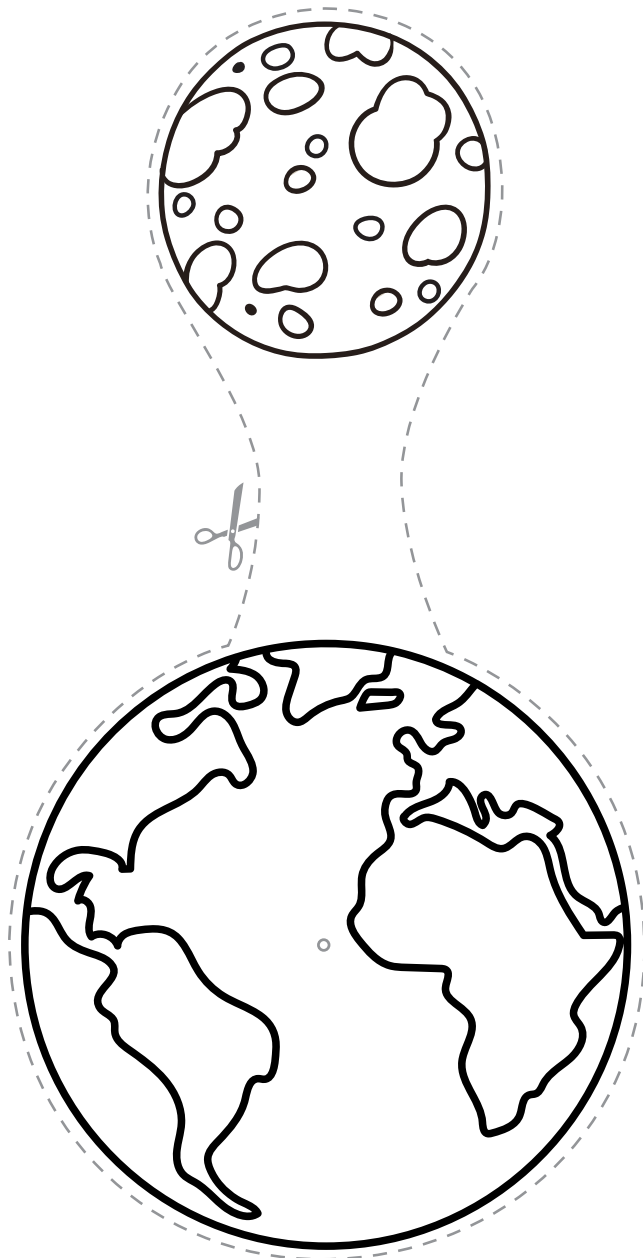
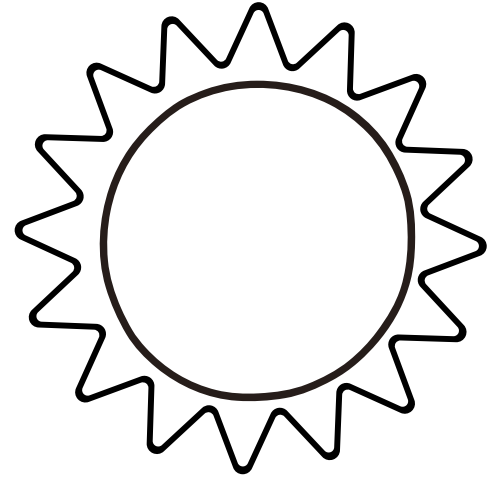
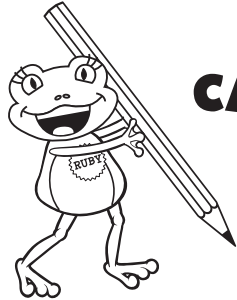


SOLAR ECLIPSE



SOLAR ECLIPSE



CAN YOU HELP RUBY FILL IN THE BLANKS?

A _____ eclipse happens when the _____ comes between _____ and the _____.

***Remember this is a basic model of how an eclipse looks from Earth. In real life, the Sun is MUCH bigger than the Moon and Earth! The Sun's diameter is 100x greater than Earth's and 400x greater than the Moon's! It would take more than 330,000 Earth's to match the mass of the Sun and 1.3 million Earths to fill the Sun's volume.**

Source: <https://science.nasa.gov/sun/facts/#hds-sidebar-nav-3>

INSTRUCTIONS

- If time allows, you may want to color the Earth, Moon, and Sun pictures before proceeding. Pictures may also be colored after the project is put together.
- Cut out the Earth and Moon (as one piece) along the dotted lines.
- Match the larger Earth part to the large dotted line circle.
- Use a brad fastener through the middle black dot of the Earth picture to attach it to the paper.
- You should now be able to move the Moon in front of the Sun.
- When the Moon portion starts to cover the Sun, you've created a model of a partial solar eclipse.
- When the Moon is completely blocking the Sun (except for the Sun's rays), you have a model of a total solar eclipse.