valley fold line

## Canon Science Papercraft Mini-book Natural Science Series

## Simple Globes & Earth and Moon

The Earth is the only planet in the solar system known to support life. The land and the sea are teeming with all sorts of life. About 71% of the Earth's surface is covered with water; truly the Earth could be called "the water planet."

This fact becomes obvious when looking at a globe. In contrast, the Moon is a bleak world with neither water nor air.

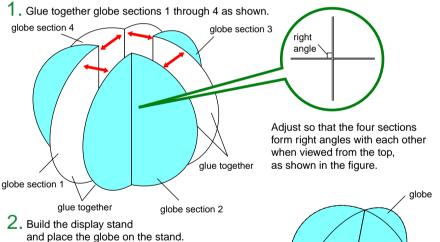


\*Cut out the card above and save it. You can collect the cards from each of the Papercraft projects to make your own mini-book!

## **★**Directions

display stand

Print out Sections 1 through 3. Cut out all the parts, and fold along the valley fold lines.



The Earth rotates about an axis which is tilted 23.44° with respect to the sun. When you place the globe on the display stand with the edges of the four sections fitting into the grooves in the stand, as shown in the figure, your globe will be tilted at the same angle as the earth. (Note that the angle may not be exactly correct due to distortions introduced in the construction process.)

glue together

3. Glue together Moon globe sections 1 through 4 as shown.

Globe section 1

Tropic of Cance

Atlantic Ocean

30°W

Tropic of Capricorn

50°W 40°W

South America

20°N

10°S

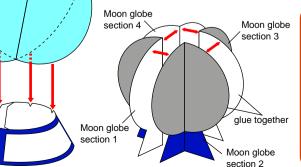
20°S

30°S

40°S

50°S

10°W



The average distance from the center of the Earth to the center of the Moon is 238,860 kilometers (384,400 miles). If you separate your Earth and Moon globes as shown in the figure below, you can see this distance to scale.

Africa

309E

4ø°E 50°E

Indian Ocean





3 meters 60 centimeters (About 11 feet 10 inches)

