

About the Globe Puzzle

This is a 3D puzzle made from 12 pieces. The 12 identically shaped pieces are combined to make a globe (a 3D geometrical shape with 20 faces) that balances on its axis. Use the pattern to match the pieces together.

*Before you begin, read through the instructions first to understand what you are going to do.

Caution


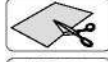




Keep scissors and glue away from small children.
Be careful not to cut your fingers when using scissors.



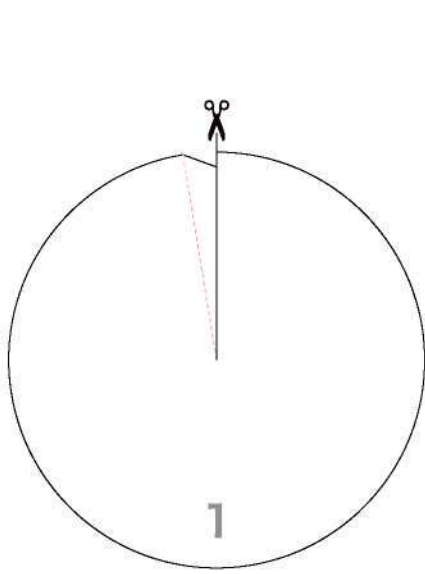
Tools

- Scissors
- Used pen(no ink)
- Ruler
- Glue(We recommend a strong adhesive such as wood glue.)
- Tweezers (convenient when adhering a piece too small for your fingers)

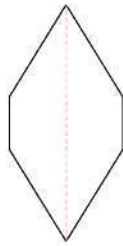
Notation Key

-  ——— Scissors line
-  ——— Cut in line
-  ——— Mountain fold
-  - - - Valley fold
-  - - - Indicator line to attach the parts.
(Attach by aligning the parts with the line)
-  Cut out the gray part after folding it.

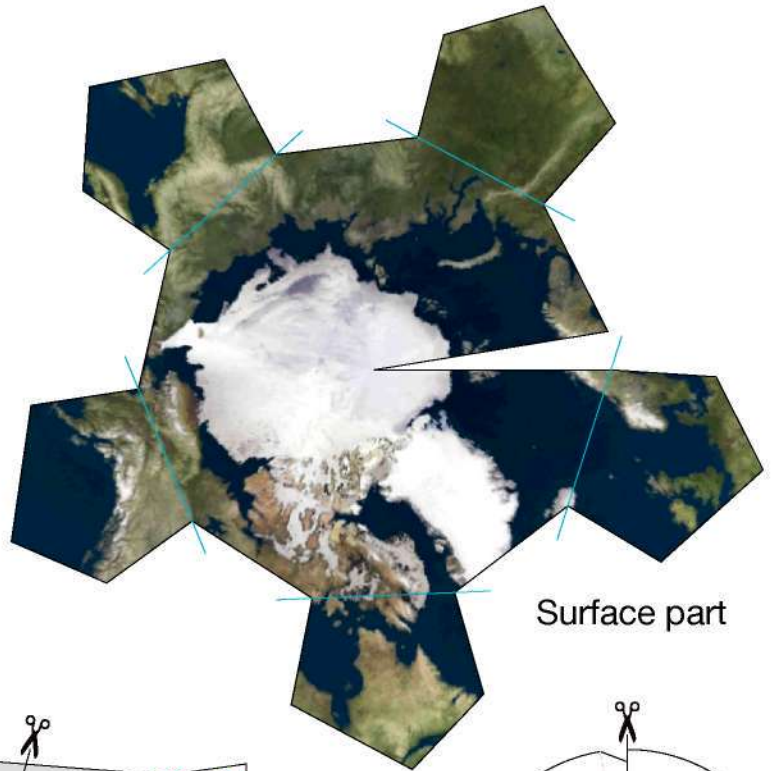
Piece1(Northern Hemisphere 1)



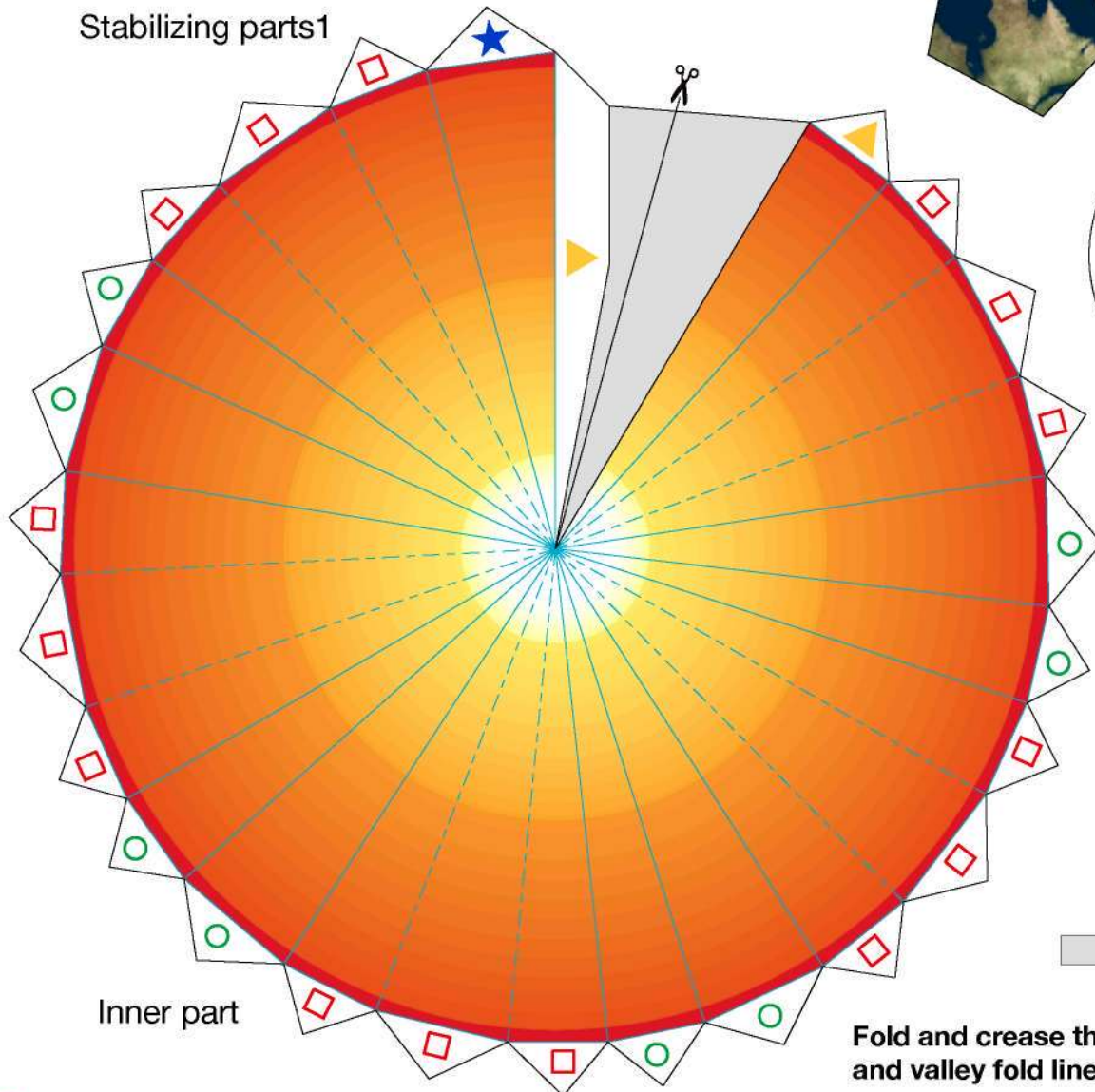
Stabilizing parts1



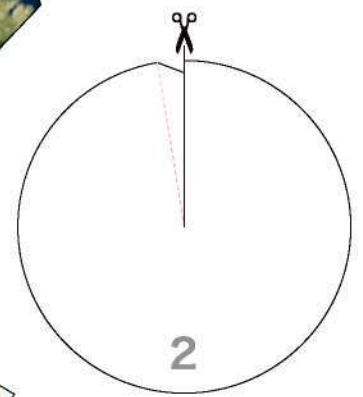
Joint



Surface part



Inner part



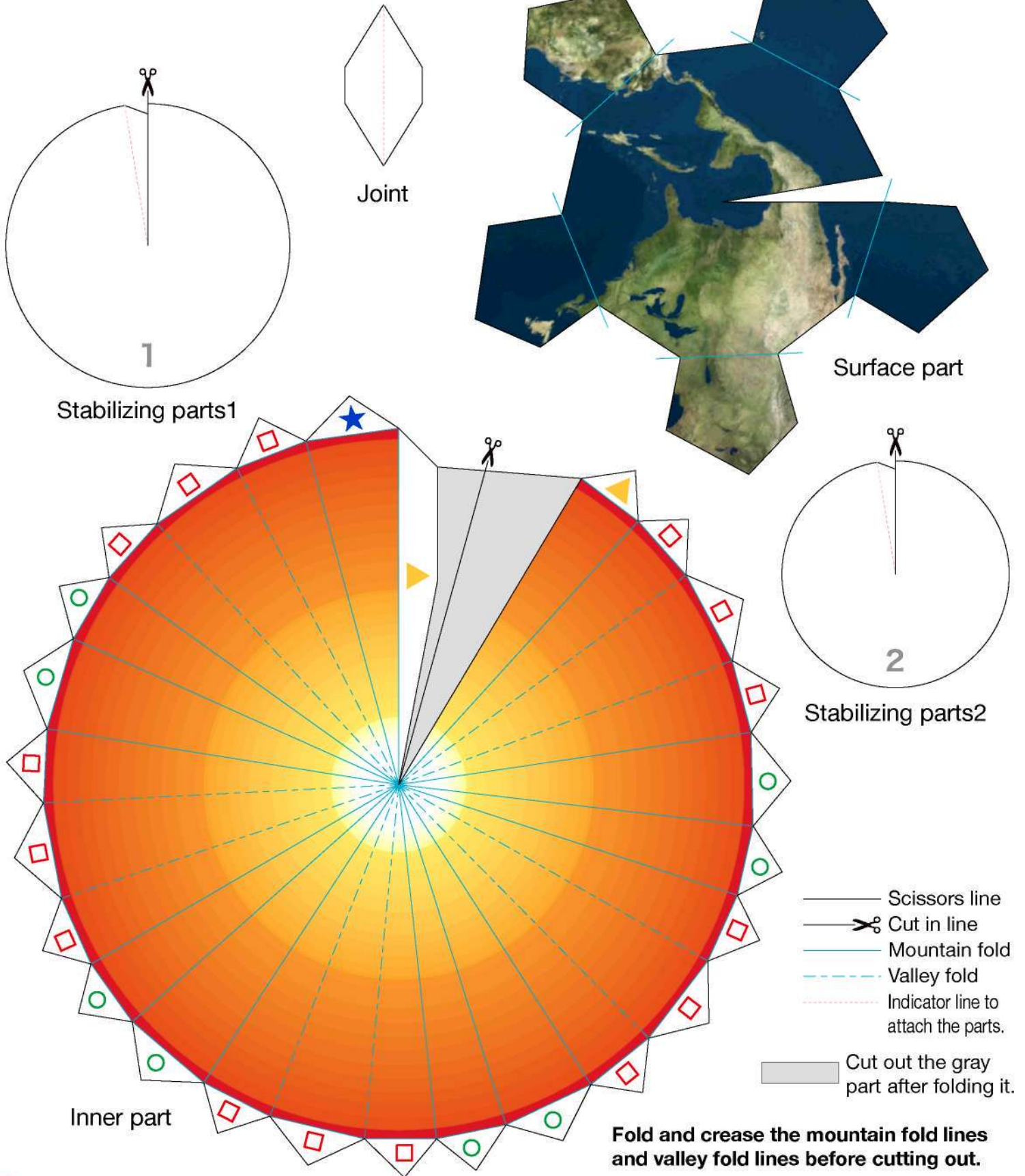
Stabilizing parts2

- Scissors line
- ✂ Cut in line
- Mountain fold
- - - Valley fold
- - - Indicator line to attach the parts.

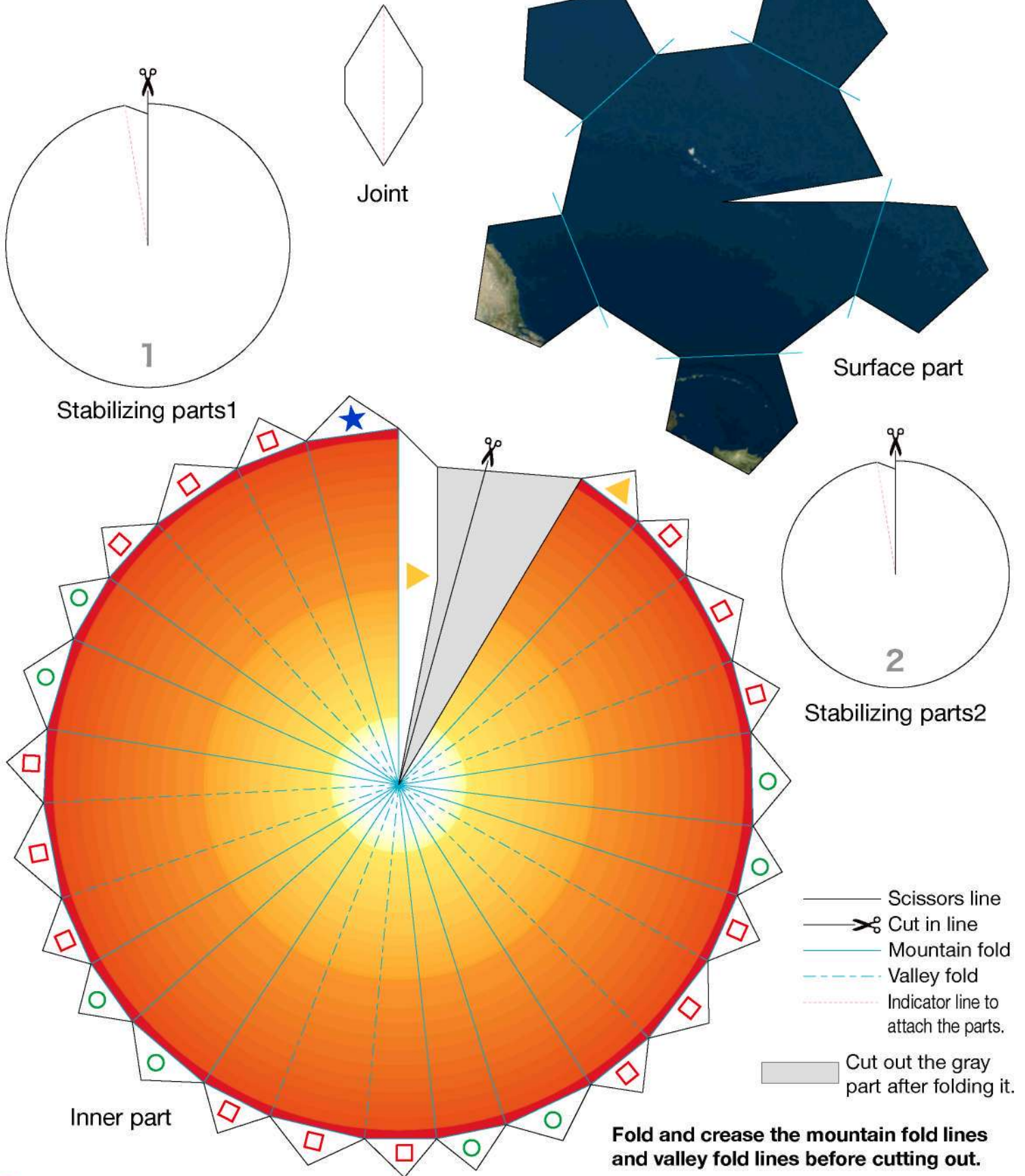
■ Cut out the gray part after folding it.

Fold and crease the mountain fold lines and valley fold lines before cutting out.

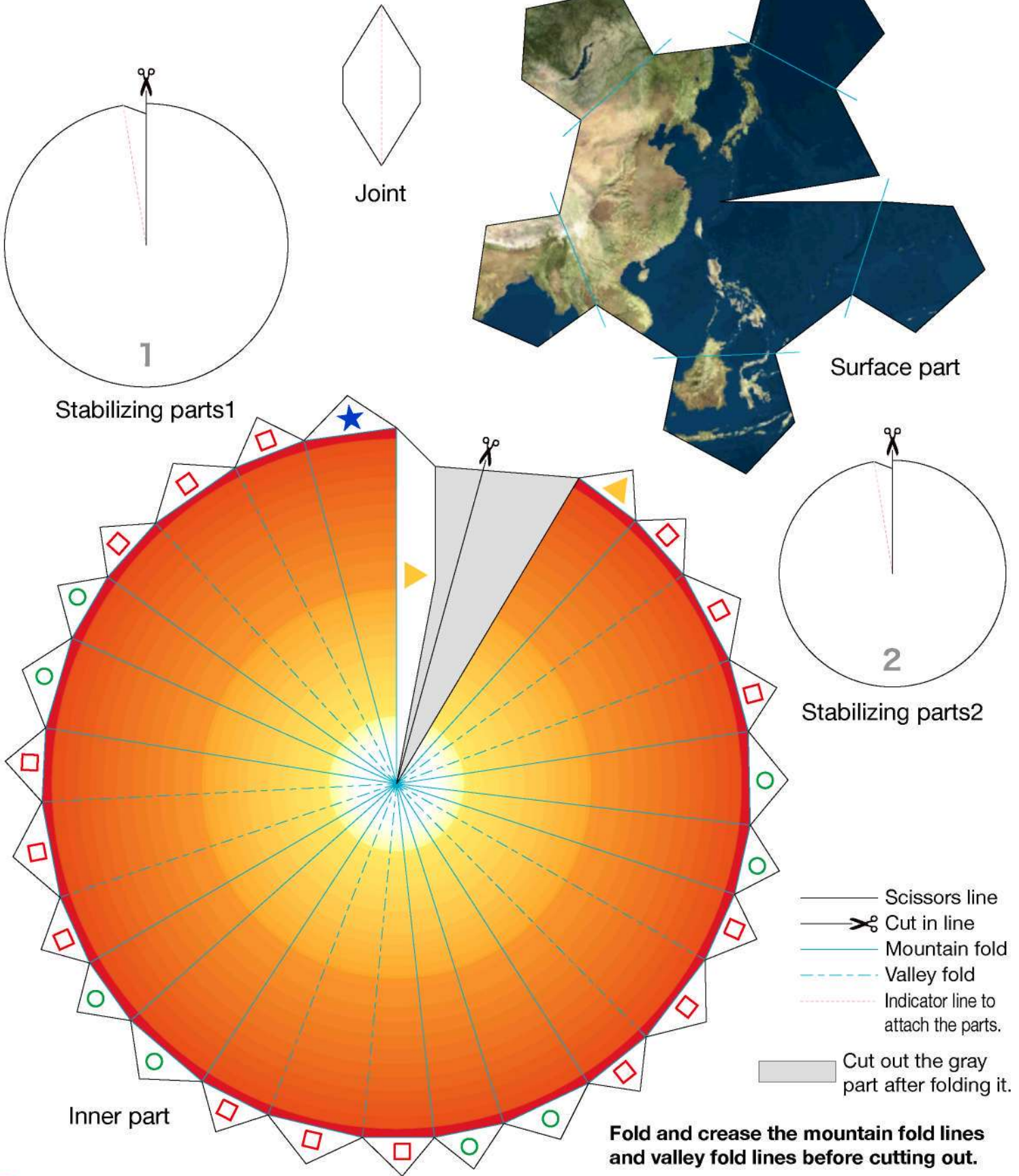
Piece2(Northern Hemisphere 2)



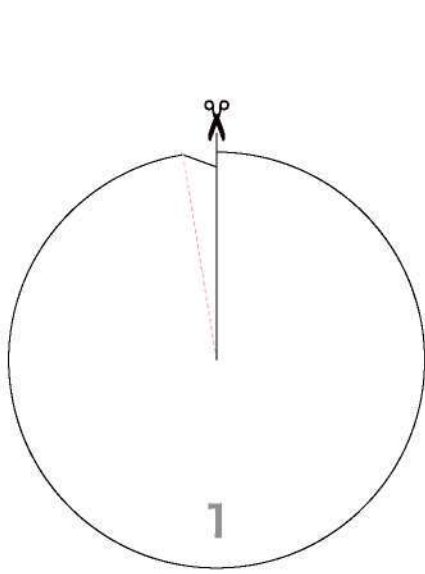
Piece3(Northern Hemisphere 3)



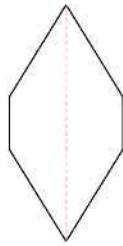
Piece4(Northern Hemisphere 4)



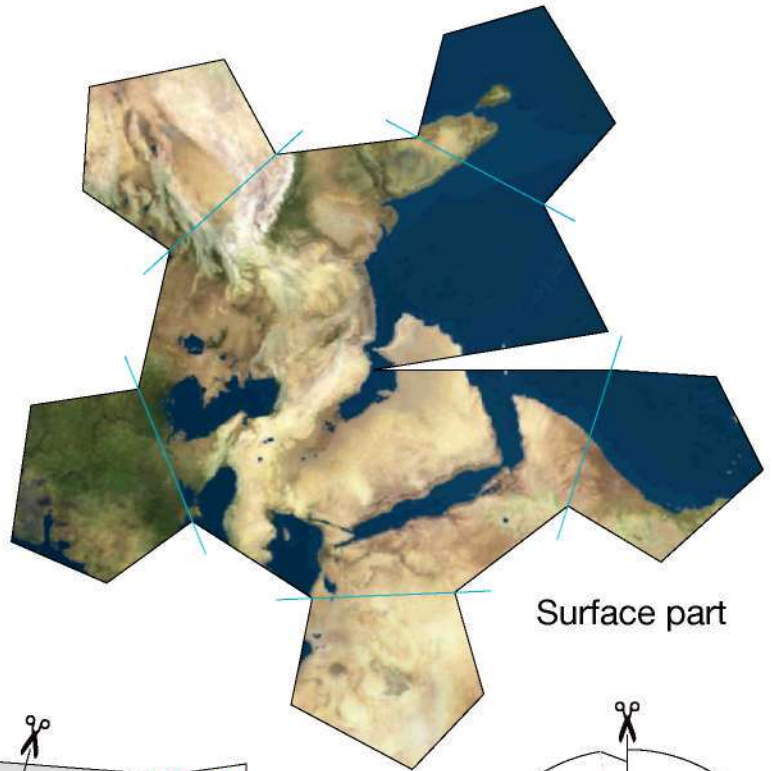
Piece5(Northern Hemisphere 5)



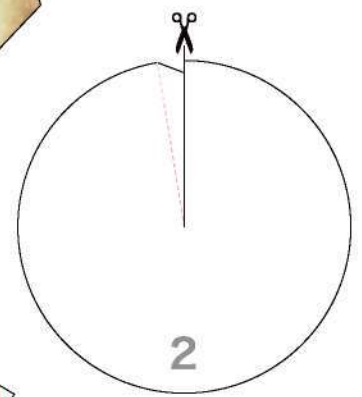
Stabilizing parts1



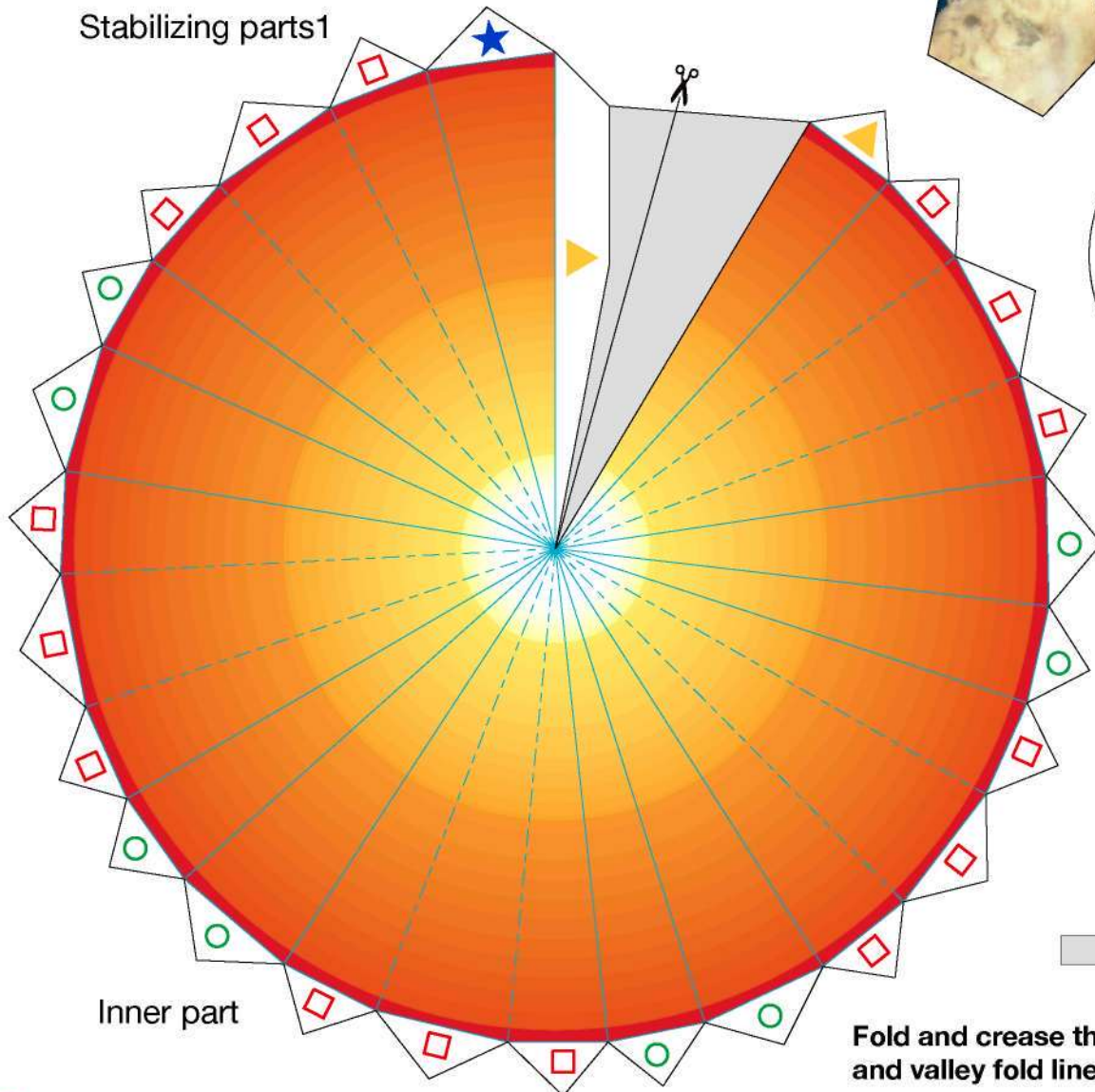
Joint



Surface part



Stabilizing parts2



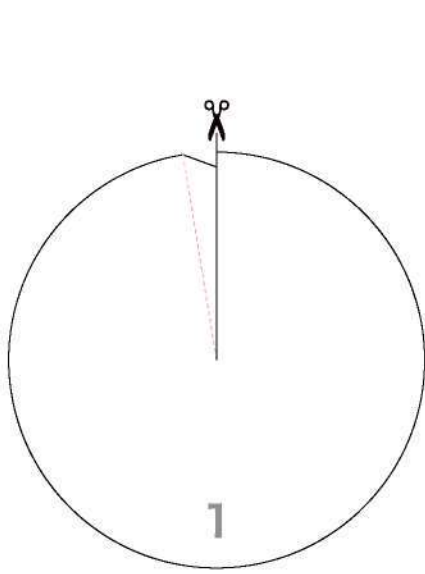
Inner part

- Scissors line
- ✂ Cut in line
- Mountain fold
- - - Valley fold
- ⋯ Indicator line to attach the parts.

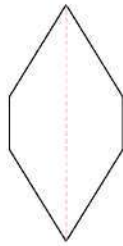
■ Cut out the gray part after folding it.

Fold and crease the mountain fold lines and valley fold lines before cutting out.

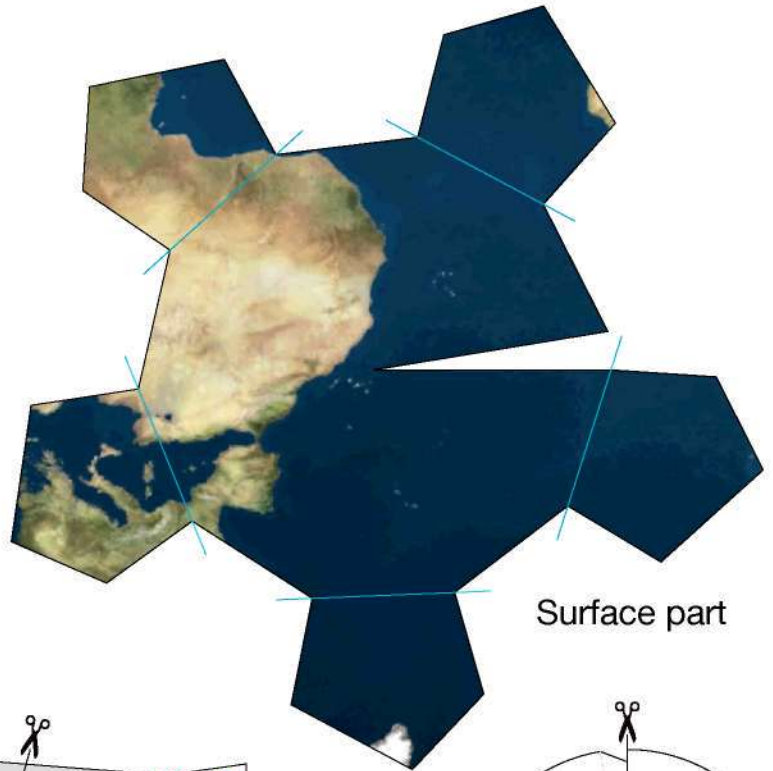
Piece6(Northern Hemisphere 6)



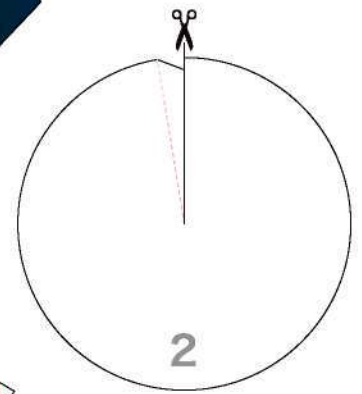
Stabilizing parts1



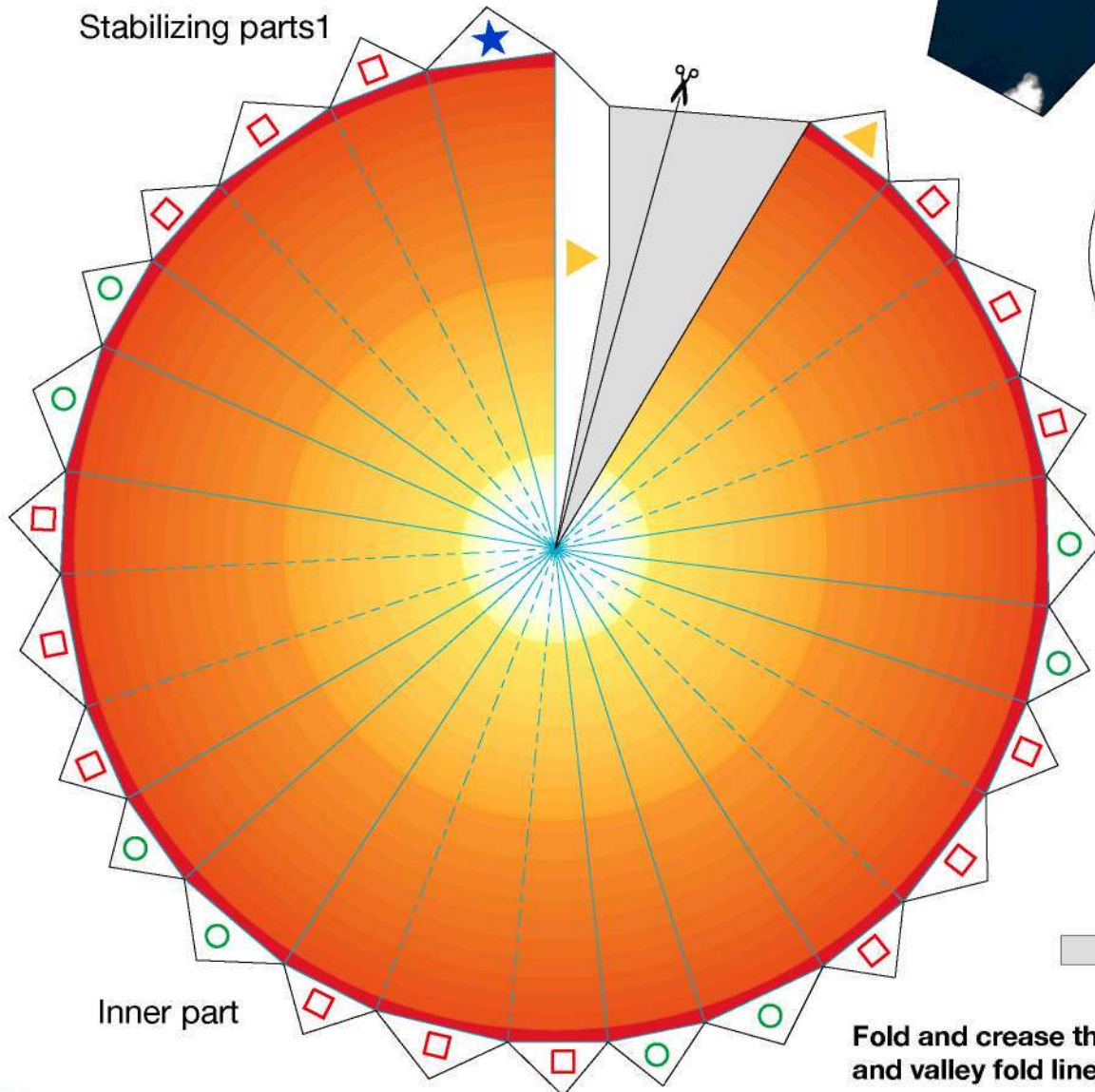
Joint



Surface part



Stabilizing parts2



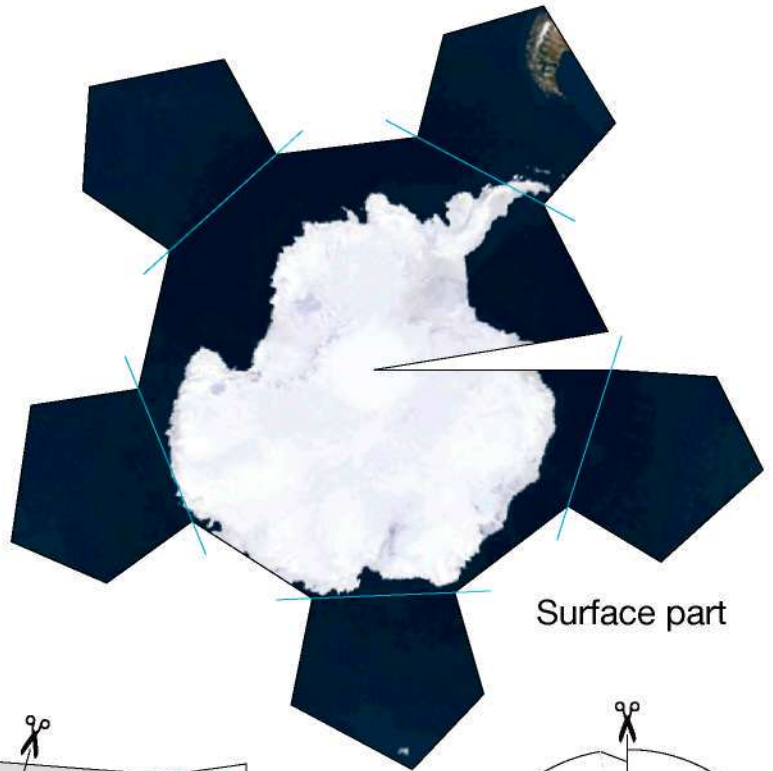
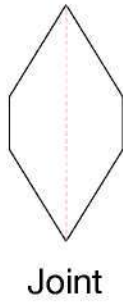
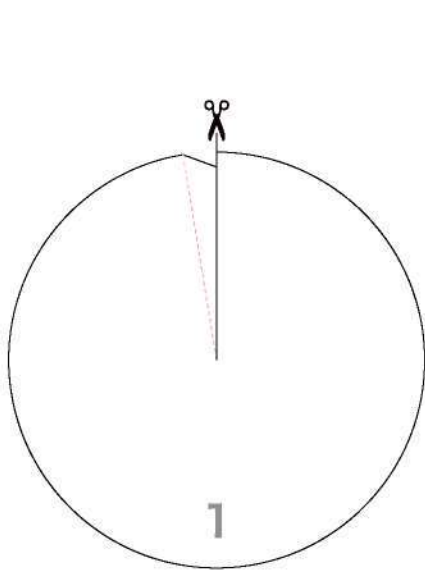
Inner part

- Scissors line
- ✂ Cut in line
- Mountain fold
- - - Valley fold
- - - Indicator line to attach the parts.

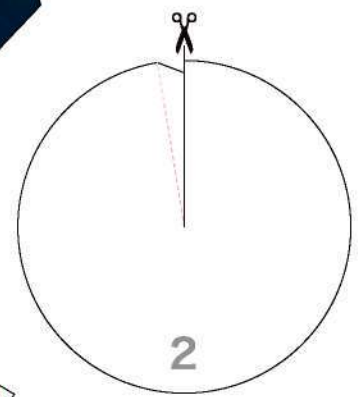
■ Cut out the gray part after folding it.

Fold and crease the mountain fold lines and valley fold lines before cutting out.

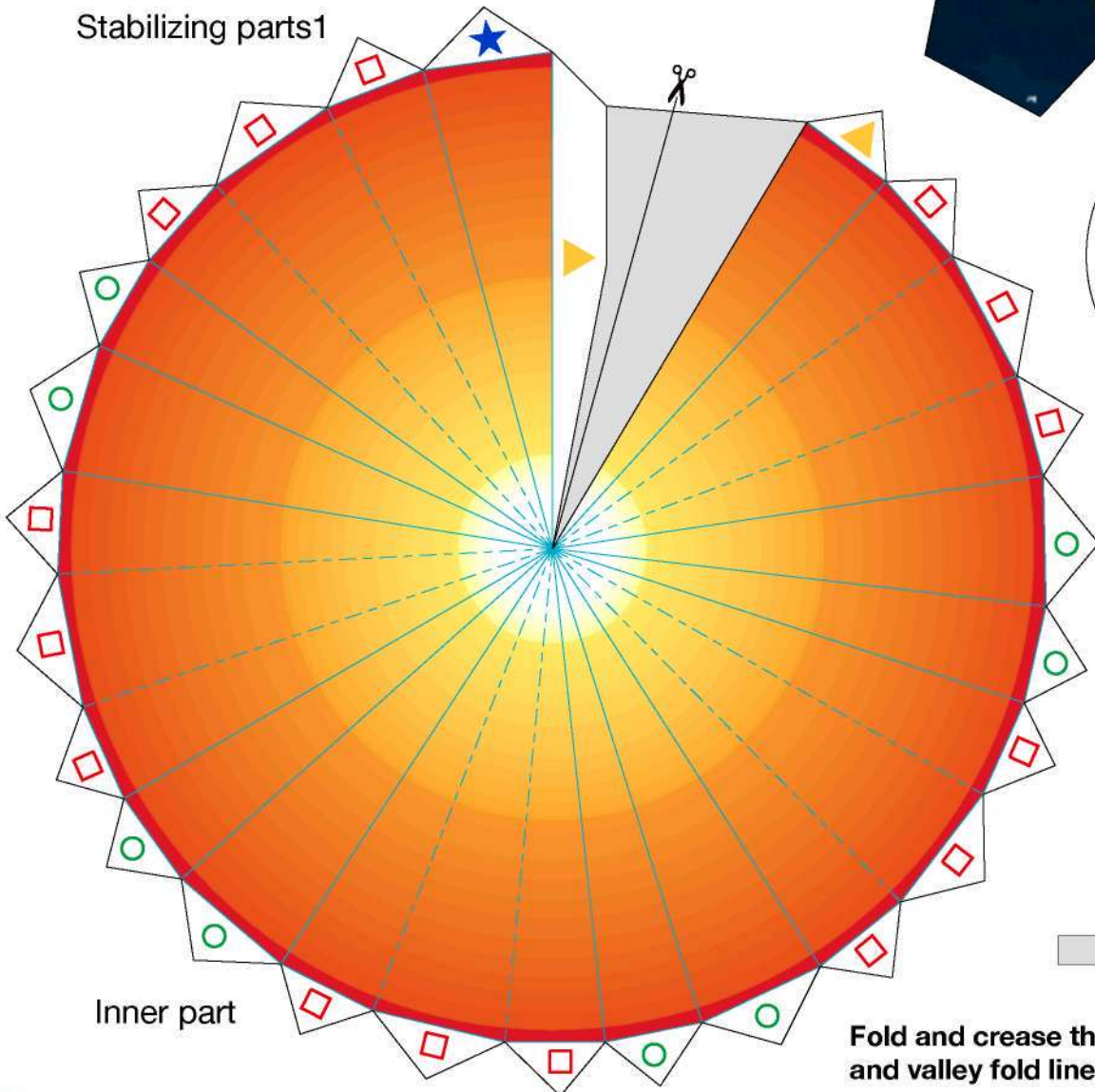
Piece7(Southern Hemisphere 1)



Surface part



Stabilizing parts2



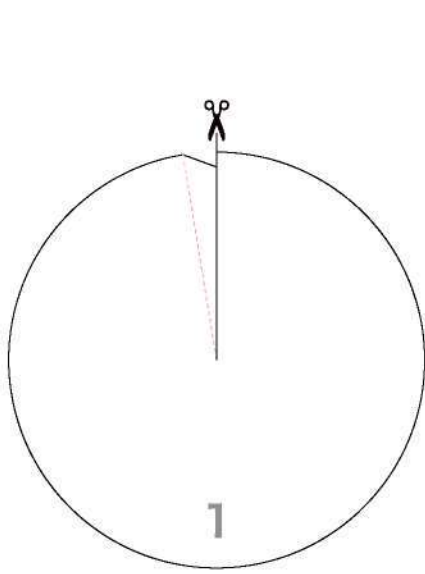
Inner part

- Scissors line
- ✂ Cut in line
- Mountain fold
- - - Valley fold
- · - · - Indicator line to attach the parts.

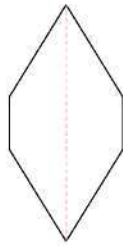
■ Cut out the gray part after folding it.

Fold and crease the mountain fold lines and valley fold lines before cutting out.

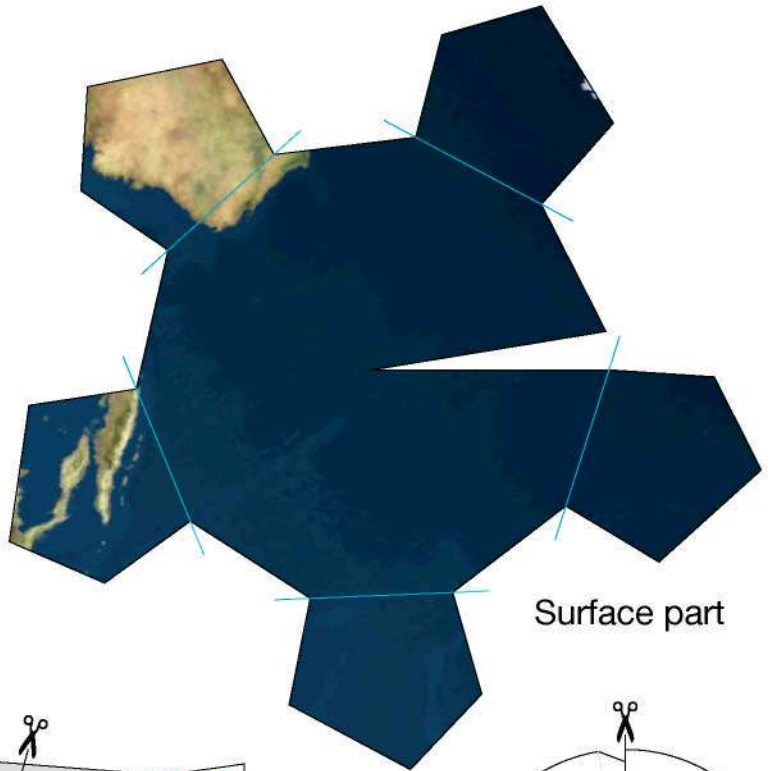
Piece8(Southern Hemisphere 2)



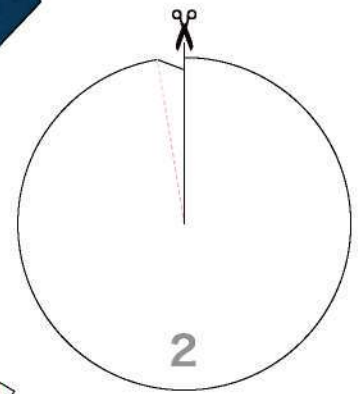
Stabilizing parts1



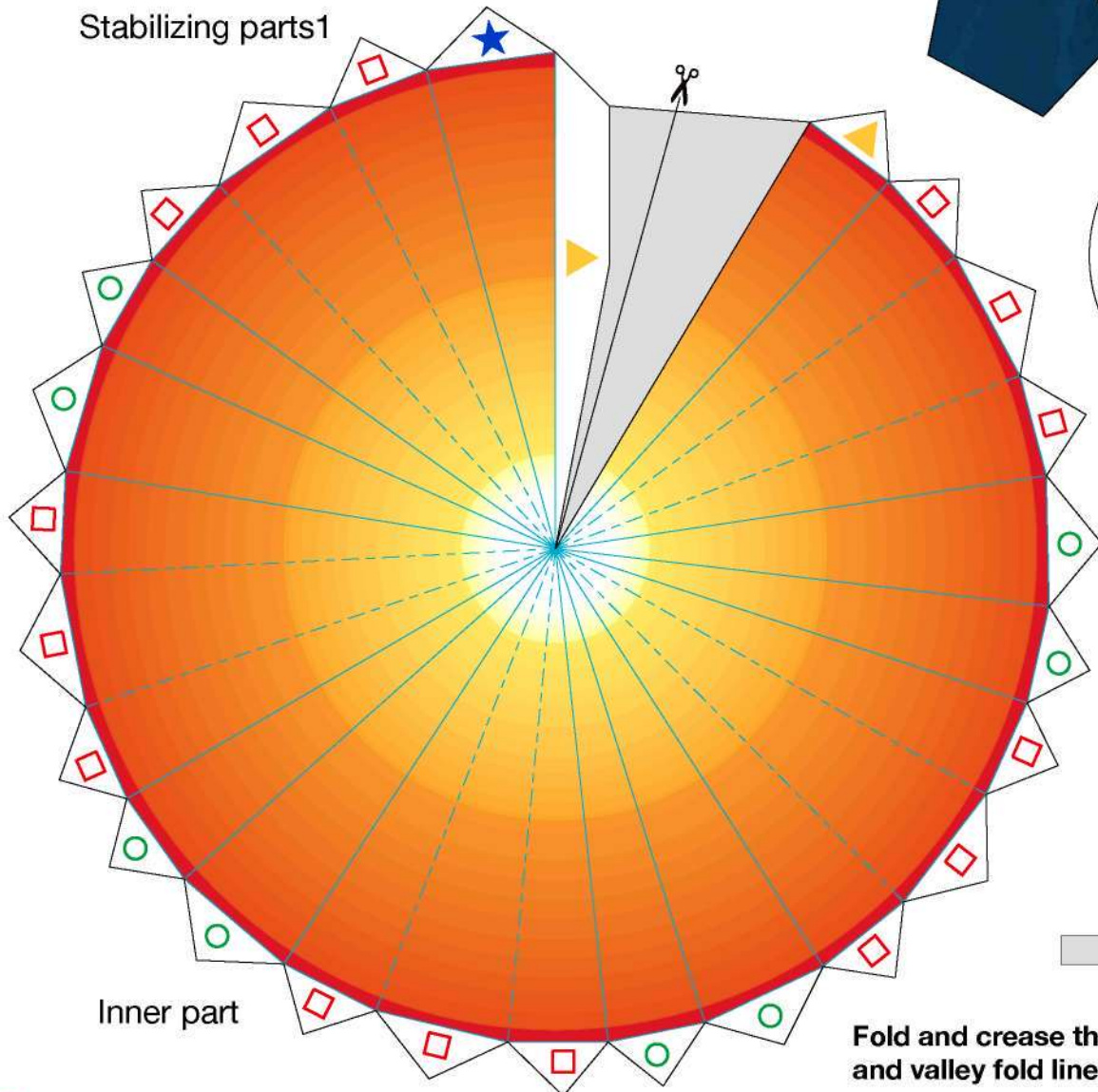
Joint



Surface part



Stabilizing parts2



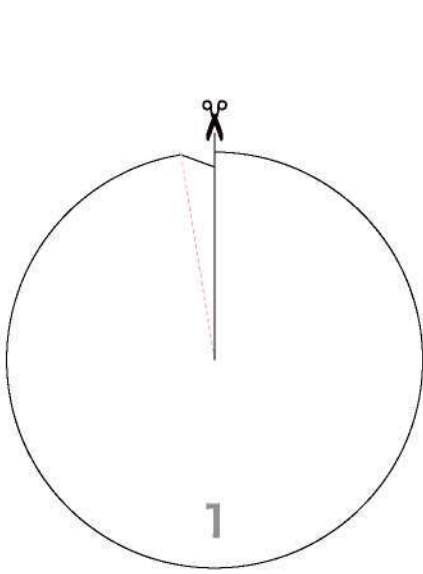
Inner part

- Scissors line
- ✂ Cut in line
- Mountain fold
- - - Valley fold
- ⋯ Indicator line to attach the parts.

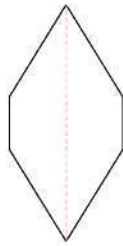
■ Cut out the gray part after folding it.

Fold and crease the mountain fold lines and valley fold lines before cutting out.

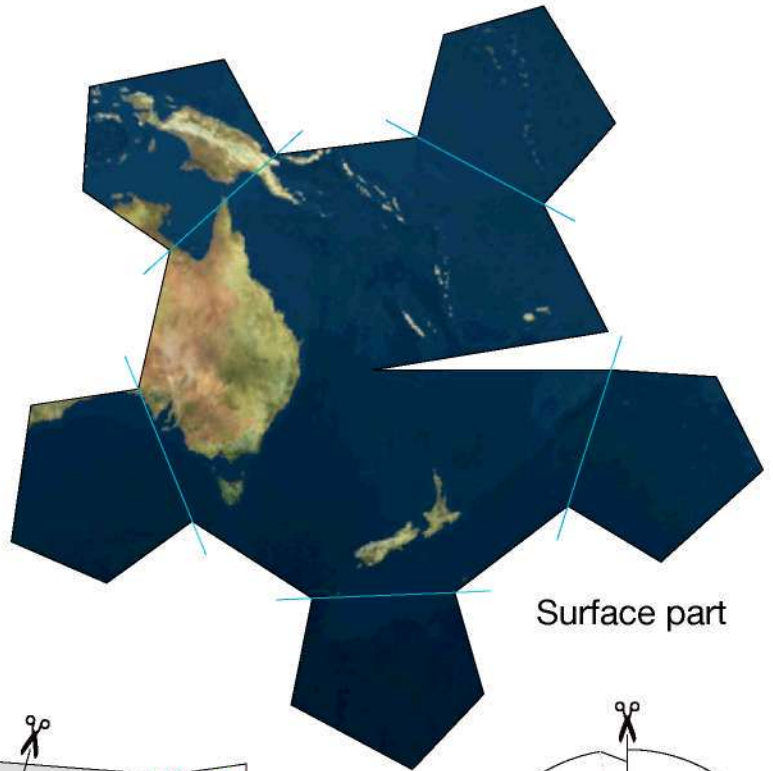
Piece9(Southern Hemisphere 3)



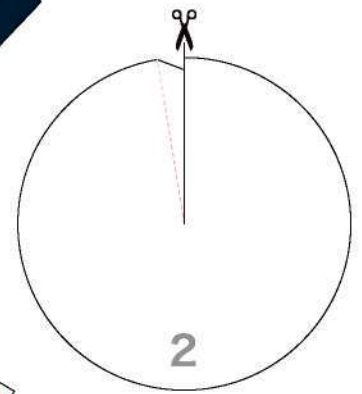
Stabilizing parts1



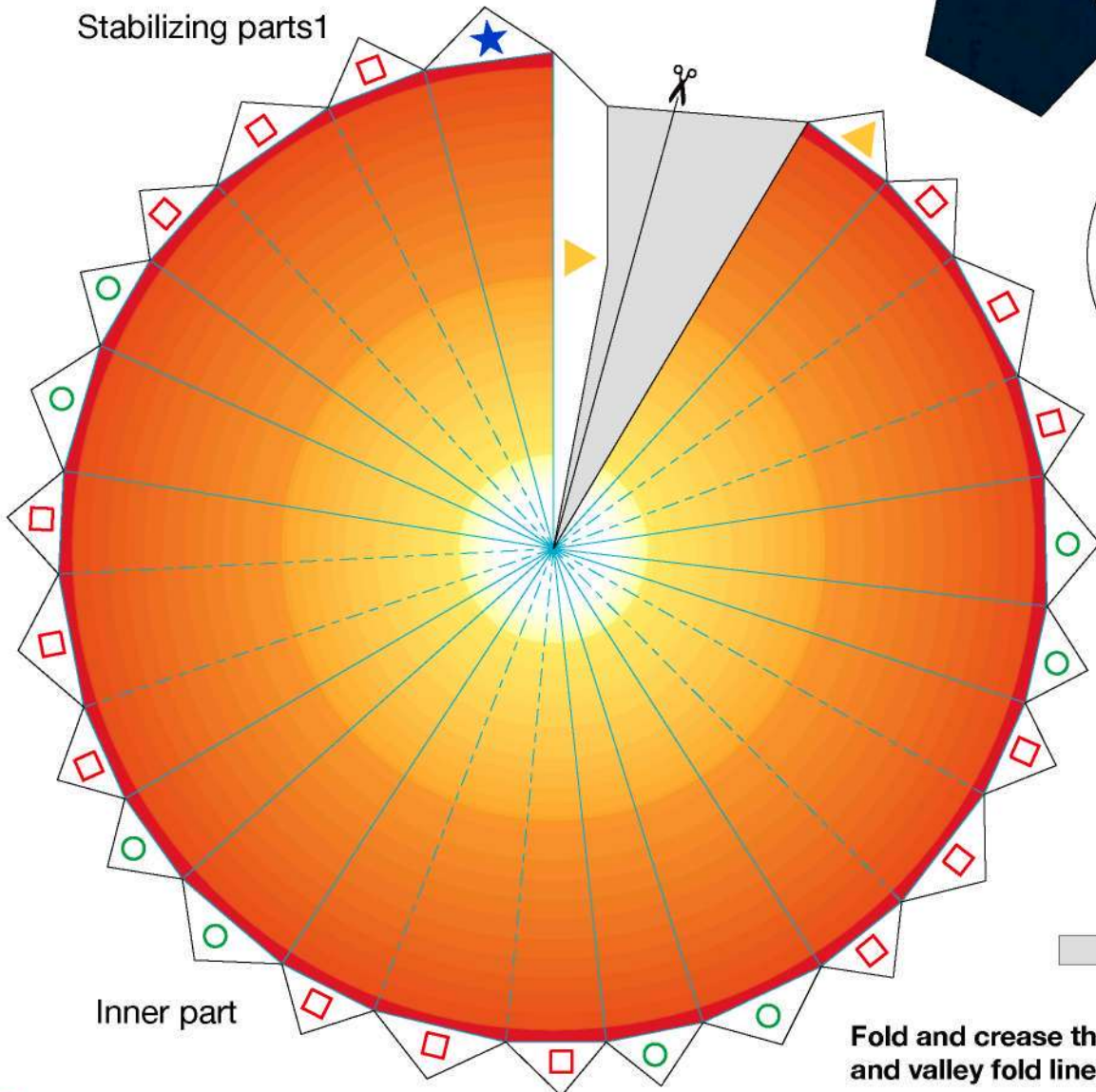
Joint



Surface part



Stabilizing parts2



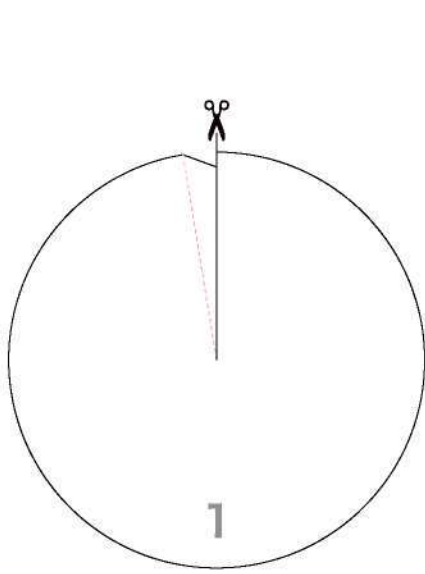
Inner part

- Scissors line
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- Mountain fold
- - - Valley fold
- - - Indicator line to attach the parts.

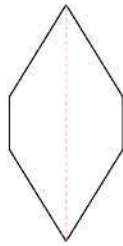
■ Cut out the gray part after folding it.

Fold and crease the mountain fold lines and valley fold lines before cutting out.

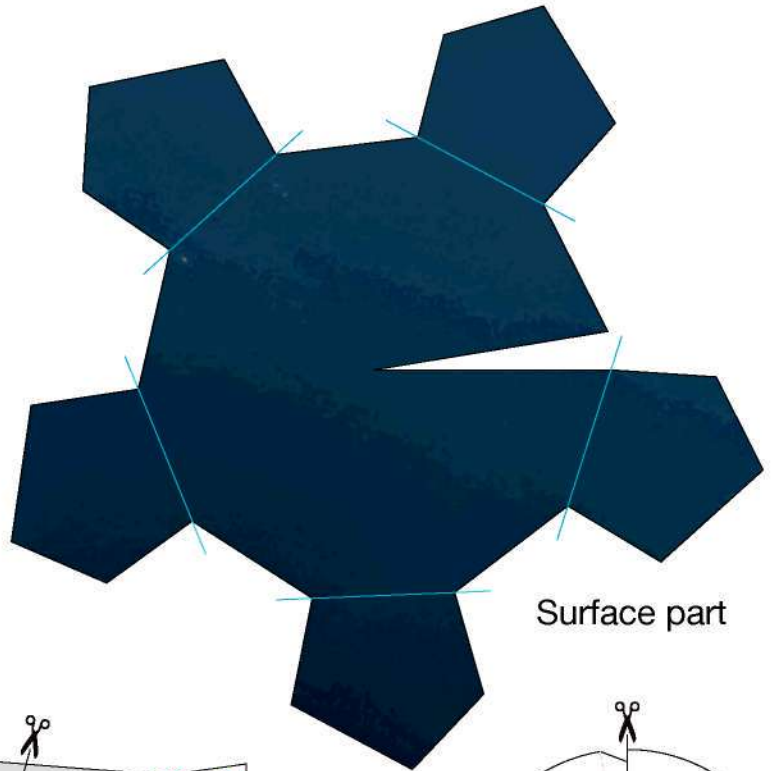
Piece10(Southern Hemisphere 4)



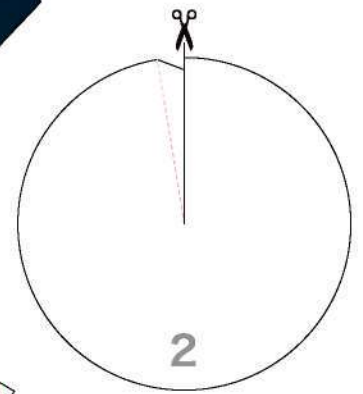
Stabilizing parts1



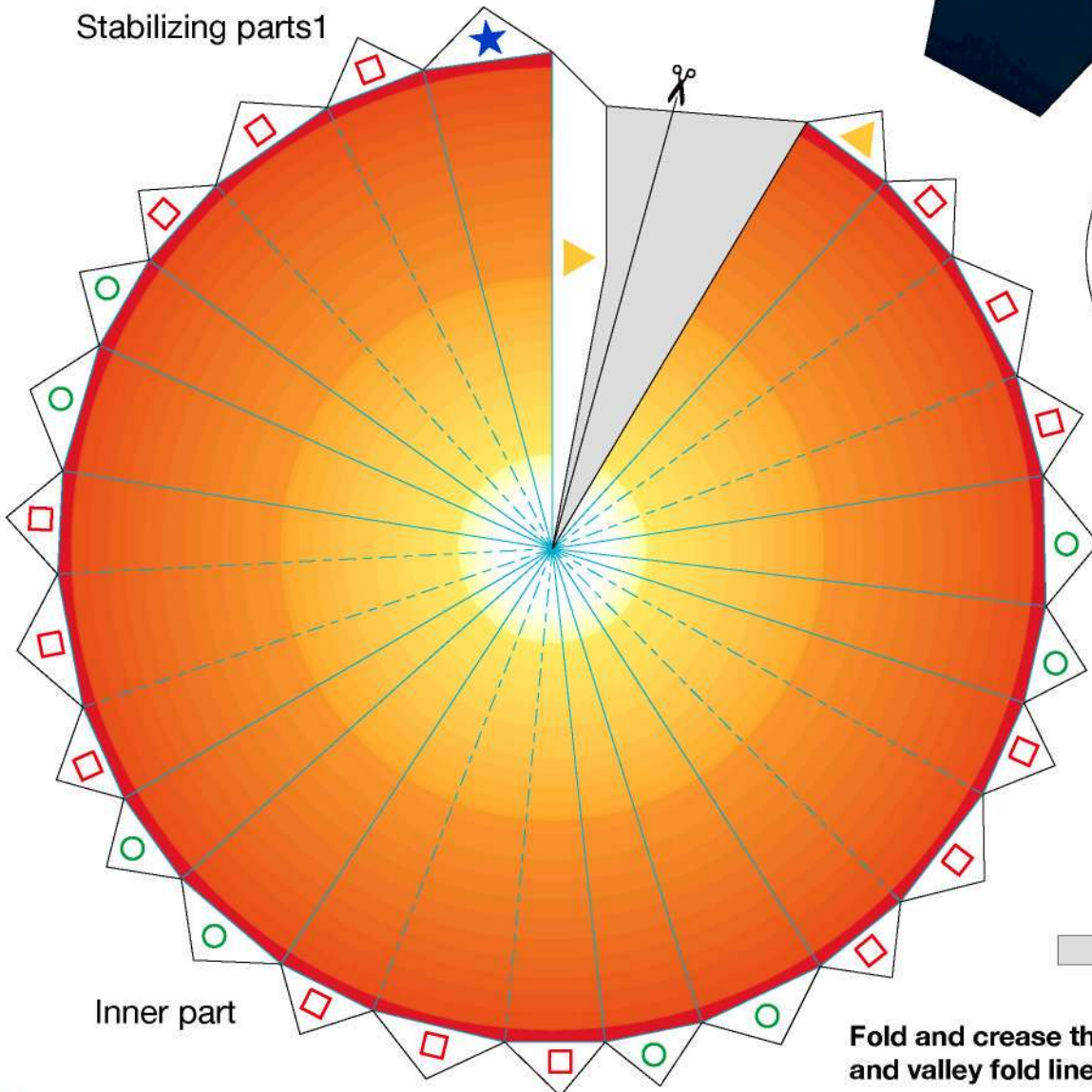
Joint



Surface part



Stabilizing parts2



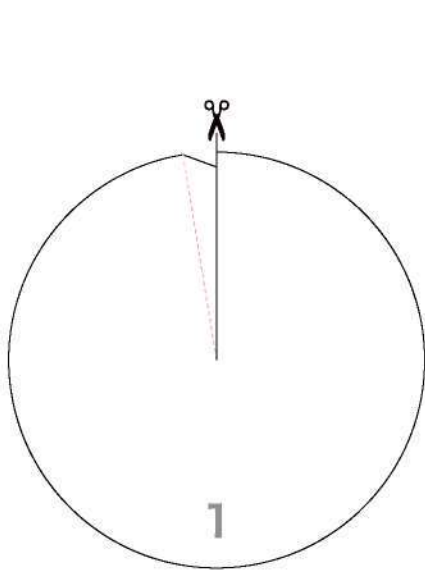
Inner part

- Scissors line
- ✂ Cut in line
- Mountain fold
- - - Valley fold
- - - Indicator line to attach the parts.

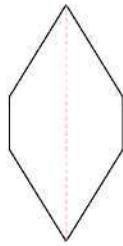
■ Cut out the gray part after folding it.

Fold and crease the mountain fold lines and valley fold lines before cutting out.

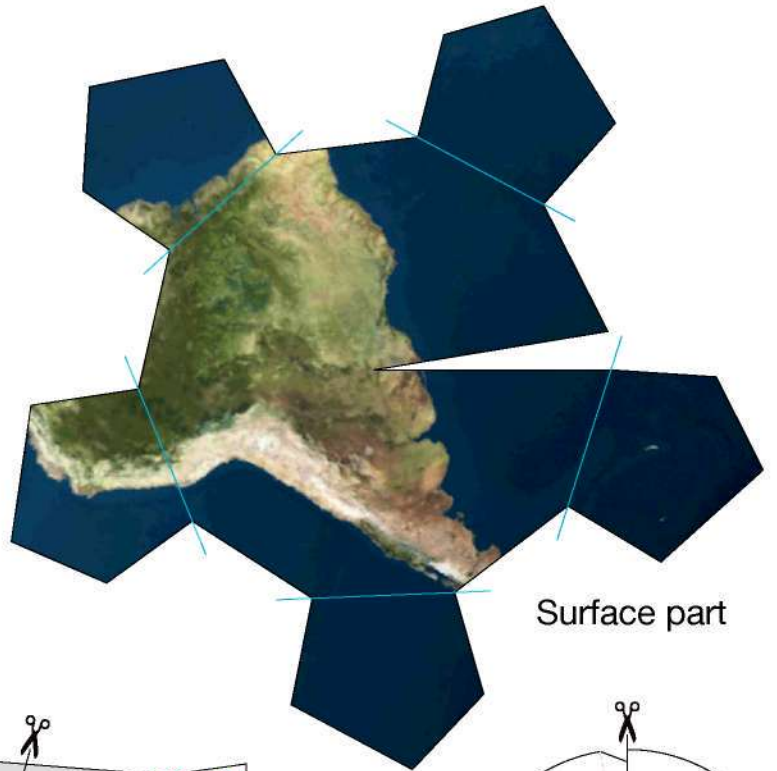
Piece11(Southern Hemisphere 5)



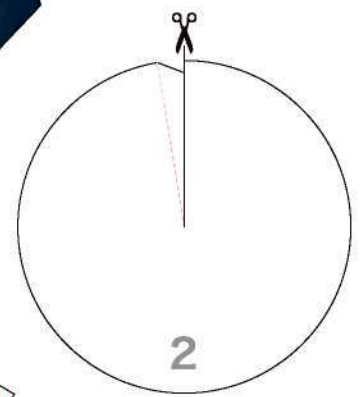
Stabilizing parts1



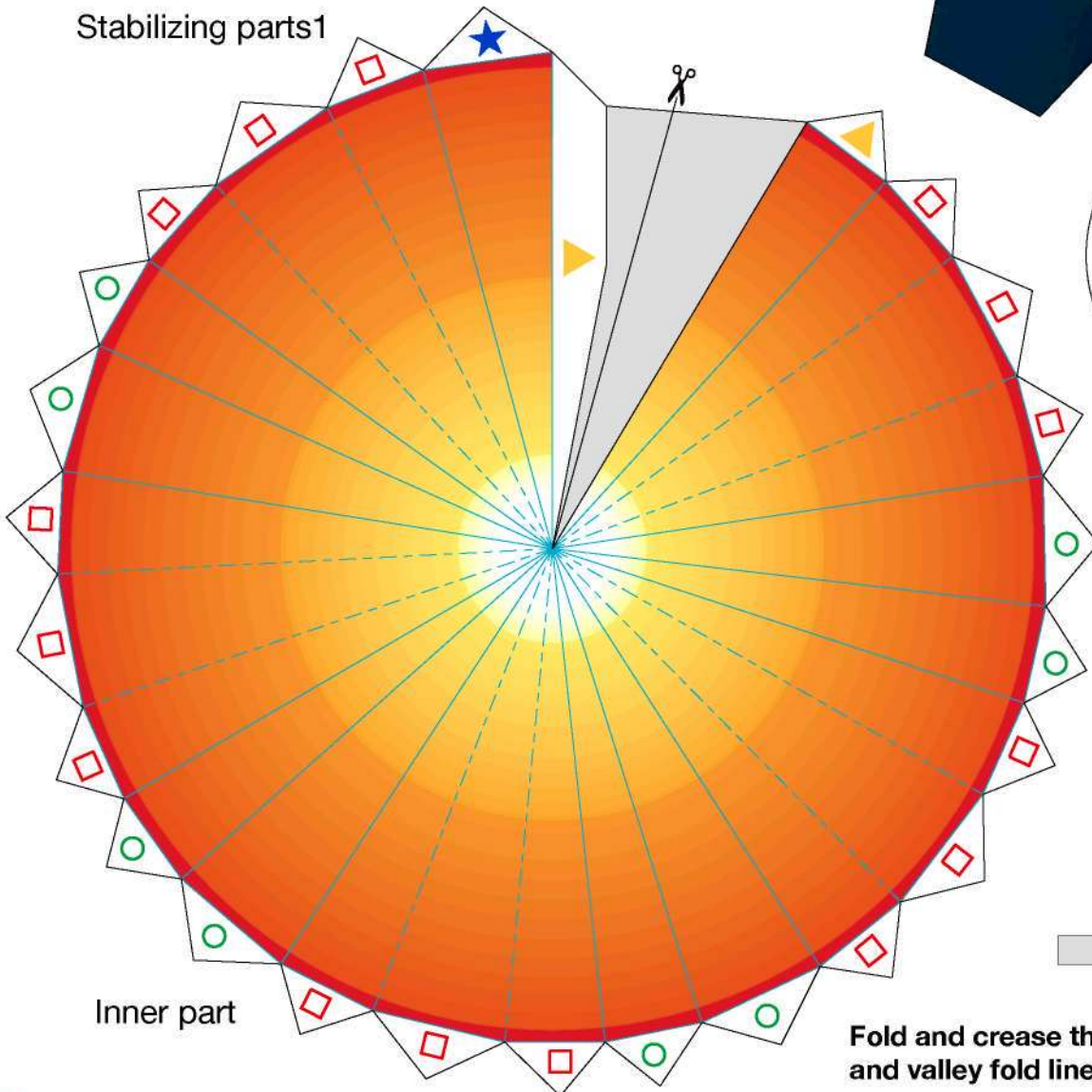
Joint



Surface part



Stabilizing parts2



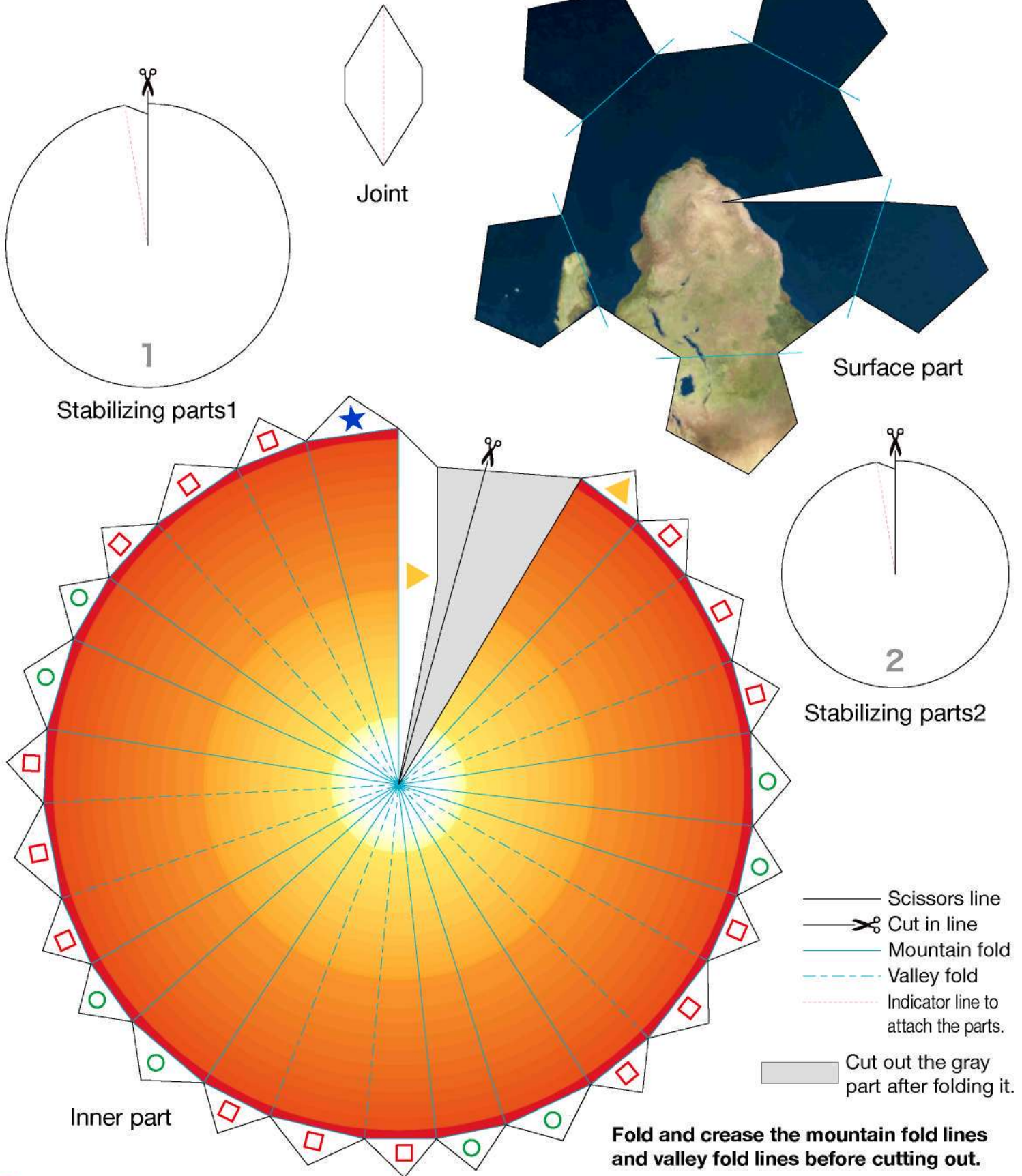
Inner part

- Scissors line
- ✂ Cut in line
- Mountain fold
- - - Valley fold
- ⋯ Indicator line to attach the parts.

■ Cut out the gray part after folding it.

Fold and crease the mountain fold lines and valley fold lines before cutting out.

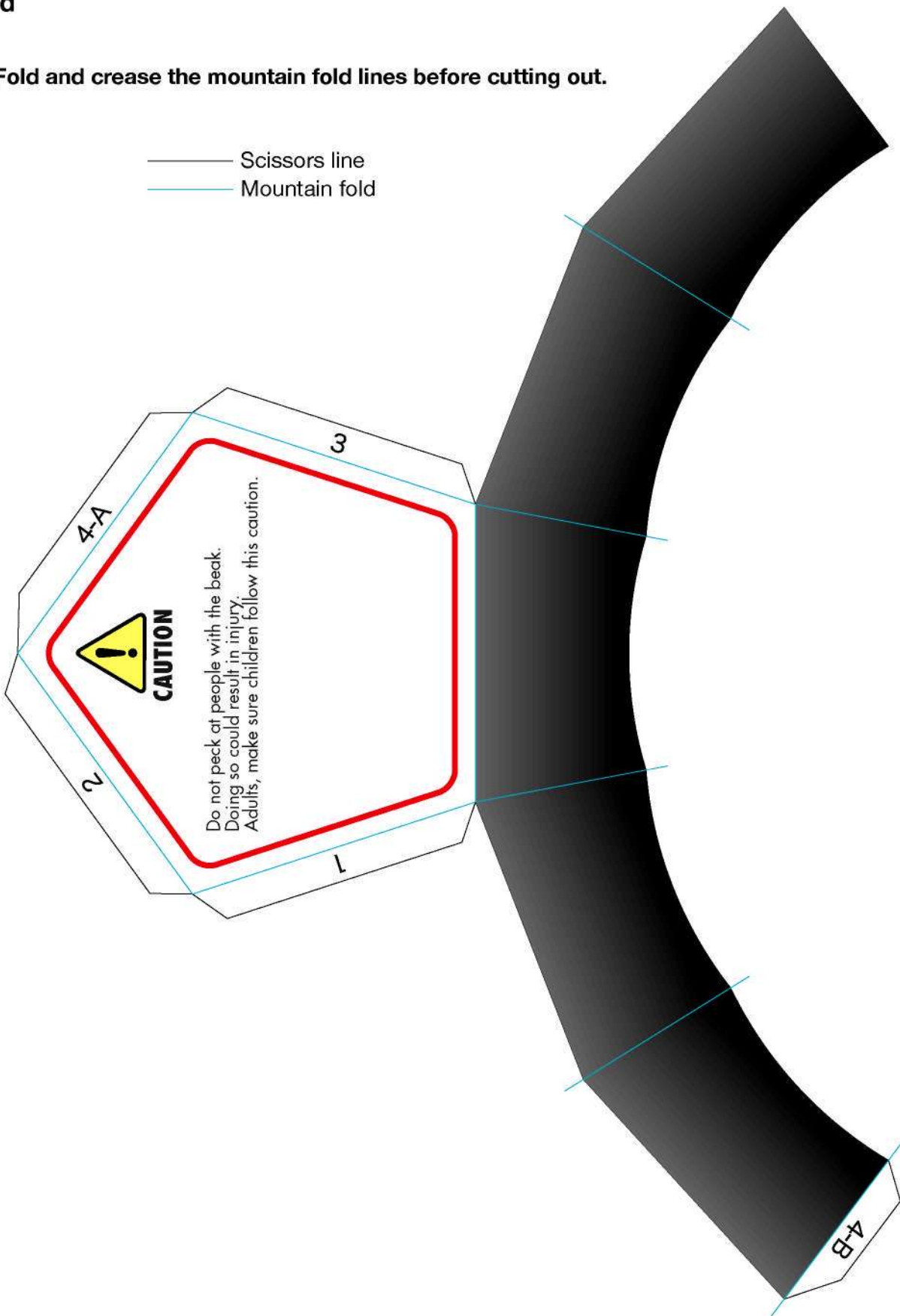
Piece12(Southern Hemisphere 6)



Stand

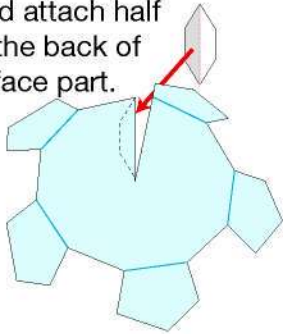
Fold and crease the mountain fold lines before cutting out.

- Scissors line
- Mountain fold

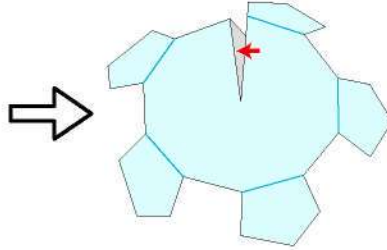


Assemble

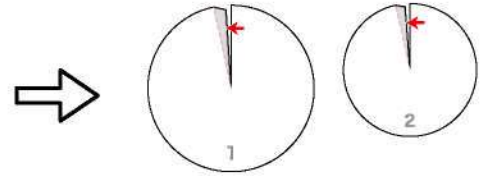
1. Add some glue to half of the joint and attach half of it to the back of the surface part.



2. Add some glue to the remaining half. Hold the glued parts firmly with your fingers to attach securely.



3. Add some glue to the stabilizing parts 1 and 2 and attach them.



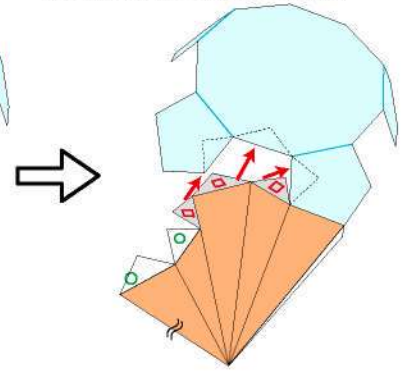
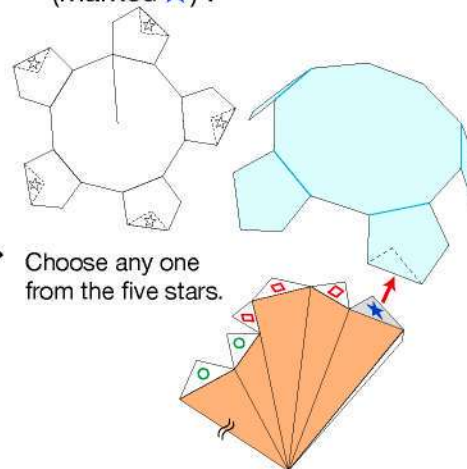
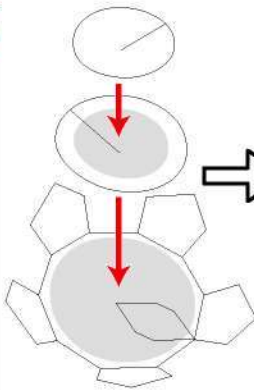
4. Attach stabilizing parts 1 and 2 in the middle (doesn't have to be exactly center) of the back of the surface part.

5. Attach the star glue tab (marked ★).

6. Add some glue to the three square (□) glue tabs that are next to each other, and attach them at the same time.

Handy Hints

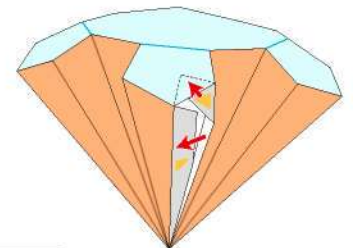
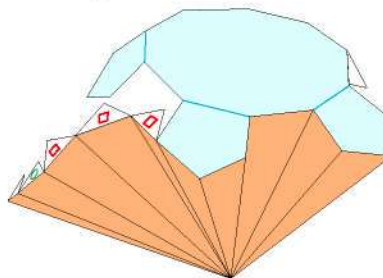
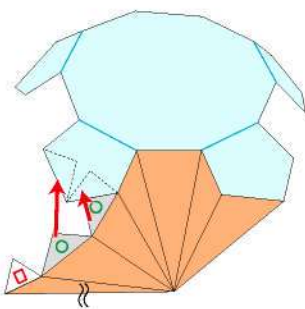
Before gluing, place the stabilizing parts on the back of the surface part and trace around them with a pen. This will make them easier to attach.



7. Add some glue to the two circle (○) glue tabs that are next to each other.

8. Following this method, attach all the glue tabs in the order of square first and circle second.

9. Add some glue to the two triangle (▲) glue tabs, attach them at the same time, and you're done.



Assemble all 12 pieces.

Handy Hints

The final square glue tab is a little tricky. Be careful when you are working on it.

Pull out the glue tab areas with a sharp-pointed object to shape the model.

Hold down with tweezers.

Asemble the Stand

1. Score along all the mountain fold lines.
2. Cut out the parts carefully.
3. Carefully fold all the mountain fold lines.
4. Attach the glue tabs in numerical order.
Lastly, attach 4-A and 4-B at the same time.

