

# MESSAGE IN A BOTTLE

Shipwrecked! Passengers of *Titanica* barely escaped the sinking ship. Luckily, they were able to swim to nearby deserted islands. Waiting to be rescued, survivors tossed bottles containing their *longitude* and *latitude* coordinates into the ocean. Use the coordinates to locate and rescue as many castaways as you can!

## SKILL

Use longitude and latitude to locate position

## PLAYERS

2

## MATERIALS

- Message-in-a-Bottle Game Board
- Longitude and Latitude Cards (cut apart and put in separate envelopes labeled Longitude and Latitude)
- 20 Castaway Markers (pennies)

## Geographically Speaking...

The equator ( $0^\circ$ ) is the starting point for measuring *latitude*. Latitude lines run parallel to the equator. Latitude lines above the equator are marked with an N for north, while latitude lines running below the equator are labeled with an S for south.

The prime meridian ( $0^\circ$ ) is the starting point for measuring *longitude*. Longitude lines to the right of the prime meridian are marked E for east, and those on the left are marked W for west.

## HOW TO PLAY

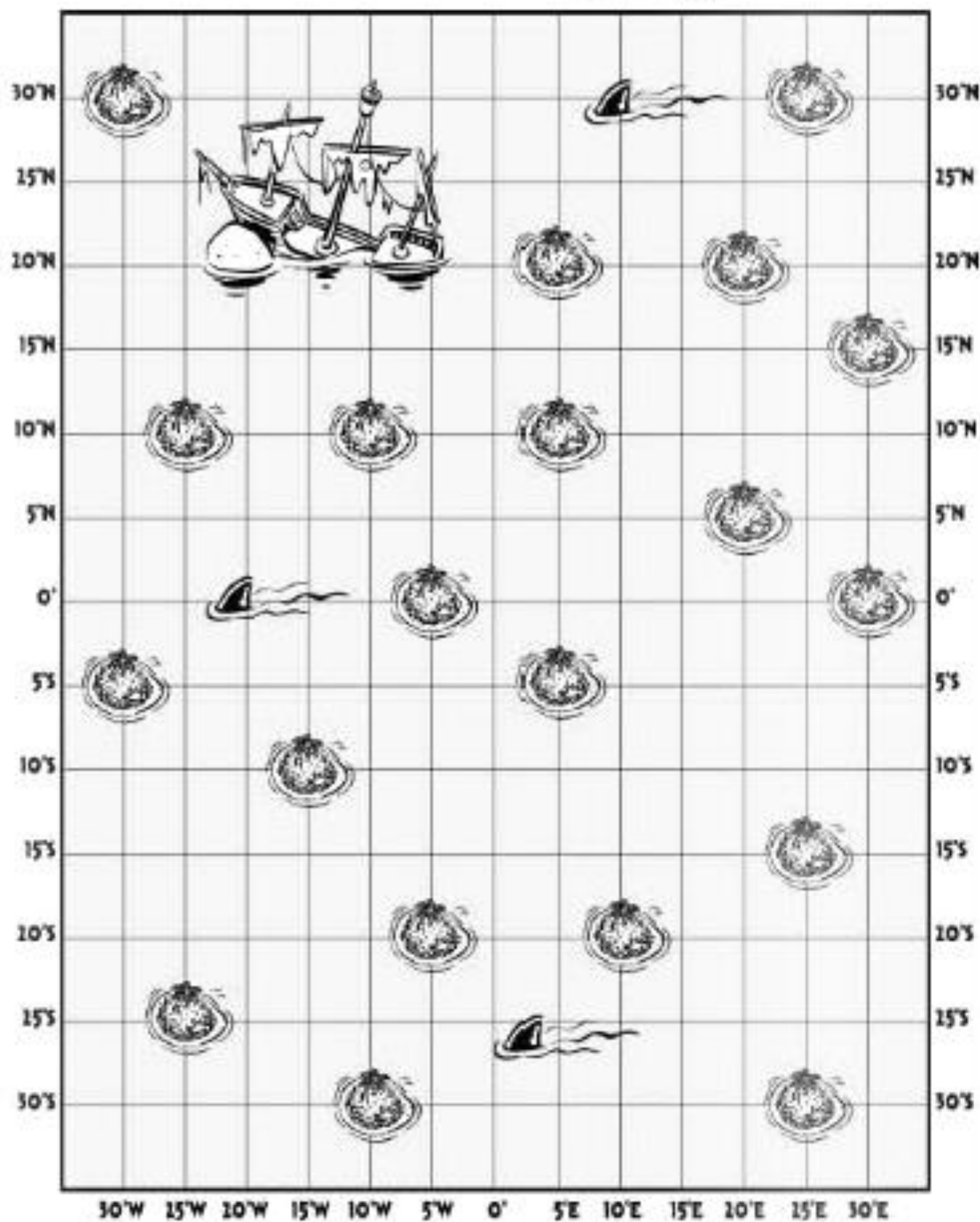
1. Place the Castaways on the deserted islands on the game board.
2. Players take turns drawing one Longitude and one Latitude card from each envelope. Using the coordinates, find where the longitude and latitude lines cross. For example, if you draw  $25^\circ\text{E}$  and  $30^\circ\text{S}$  cards, find where those two lines cross. If the lines meet over an island with a Castaway, "rescue," or take, the Castaway. Return the cards to their envelopes. The other player takes a turn.
3. Play continues until all Castaways have been rescued. The player who collects the most Castaways wins.



## EXTENSION

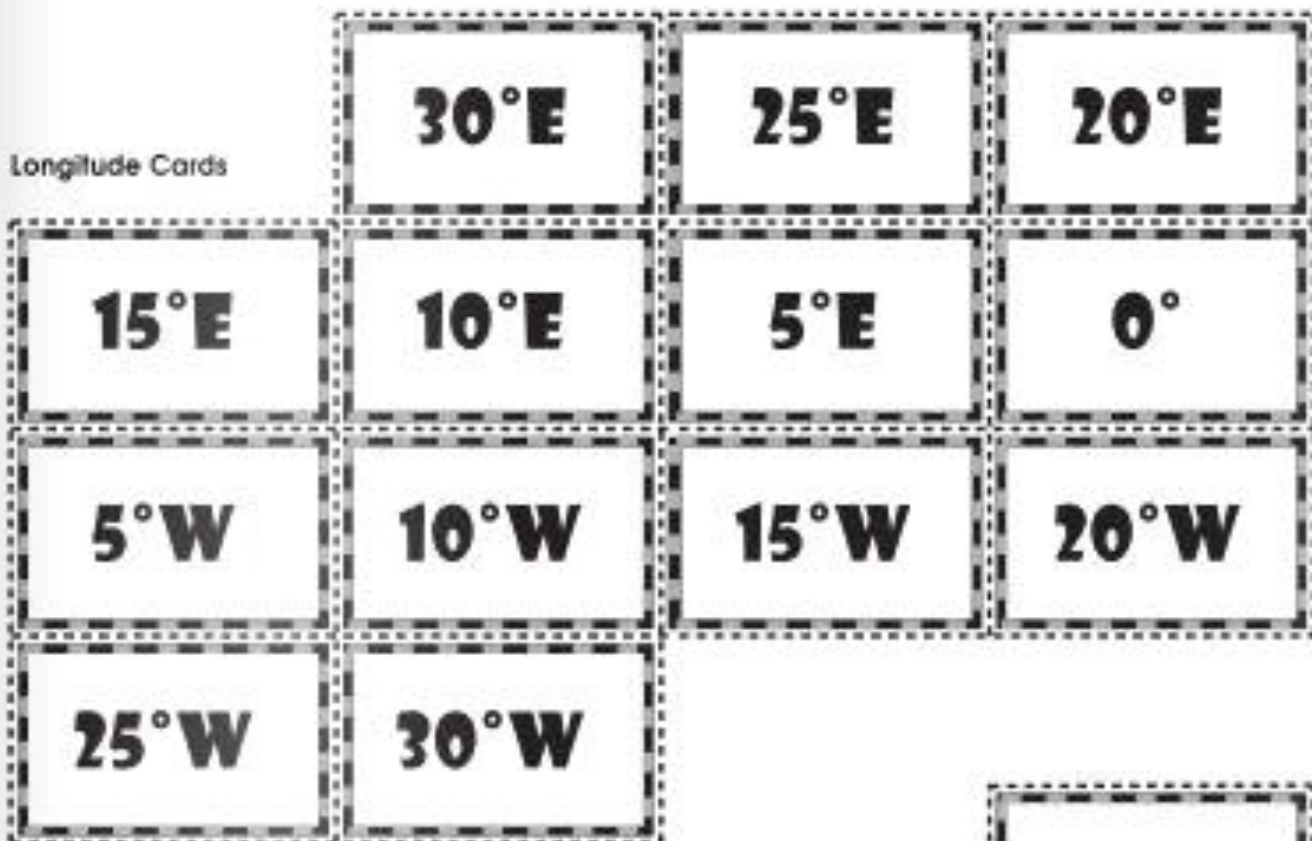
Find the longitude and latitude coordinates of the different state capitals. Then challenge friends to guess which state capital belongs with each coordinate.

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# MESSAGE IN A BOTTLE

Longitude Cards



Latitude Cards

