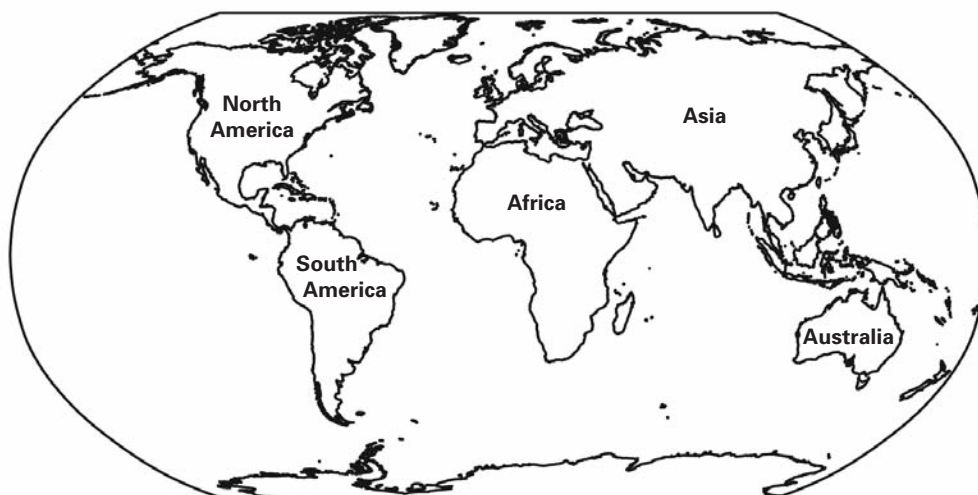


## Extreme Journeys



Your group will take one of the following journeys to explore different parts of the world.

### Journeys

1. Start at the southern tip of Africa, and follow that longitude north all the way to the North Pole.
2. Start where you live, and follow that latitude going east all the way around the world back to where you live.
3. Start at the southern tip of South America, and devise a journey through both Americas that takes you to each of the 20 ecological zones.

For your journey roughly sketch your route on the world map above. Also, record the domains and ecological zones you travel through (in order) as in the sample chart, noting changes in temperature and moisture as you move from zone to zone.

### Sample Chart

| Geographical Area    | Domain      | Ecological Zone                 | Is the Temperature > or < or = to Previous Zone? | Is the Moisture Level > or < or = to Previous Zone? | Is This a High Altitude Zone? |
|----------------------|-------------|---------------------------------|--|---|-------------------------------|
| Central Africa       | Tropical    | Tropical rain forest            |  |   | No                            |
| North Central Africa | Tropical    | Tropical moist deciduous forest | =  | <   | No                            |
| North Central Africa | Subtropical | Subtropical humid forest        | <  | =   | No                            |
| ...and so on         |             |                                 |  |   |                               |

## Extreme Journeys (cont.)

| Geographical Area | Domain | Ecological Zone | Is the Temperature > or < or = to Previous Zone? | Is the Moisture Level > or < or = to Previous Zone? | Is This a High Altitude Zone? |
|-------------------|--------|-----------------|--|---|-------------------------------|
|                   |        |                 |  |   |                               |
|                   |        |                 |  |   |                               |
|                   |        |                 |  |   |                               |
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|                   |        |                 |  |   |                               |
|                   |        |                 |  |   |                               |

## Extreme Journeys (cont.)

| Geographical Area | Domain | Ecological Zone | Is the Temperature > or < or = to Previous Zone? | Is the Moisture Level > or < or = to Previous Zone? | Is This a High Altitude Zone? |
|-------------------|--------|-----------------|--|---|-------------------------------|
|                   |        |                 |  |   |                               |
|                   |        |                 |  |   |                               |
|                   |        |                 |  |   |                               |
|                   |        |                 |  |   |                               |
|                   |        |                 |  |   |                               |

Complete the following:

1. For your journey, what patterns did you notice in terms of the domains and ecological zones you traveled through?
2. What factors influence the domain of an area? What influences its ecological zone?
3. If you were to randomly place your finger on a map of the world, with what certainty might you predict the domain of the place you land? Could you predict the ecological zone? Why or why not?
4. Why might it be useful to be able to categorize and map different forest types around the world?
5. How might the type of forest in a given location affect the people living there or elsewhere?