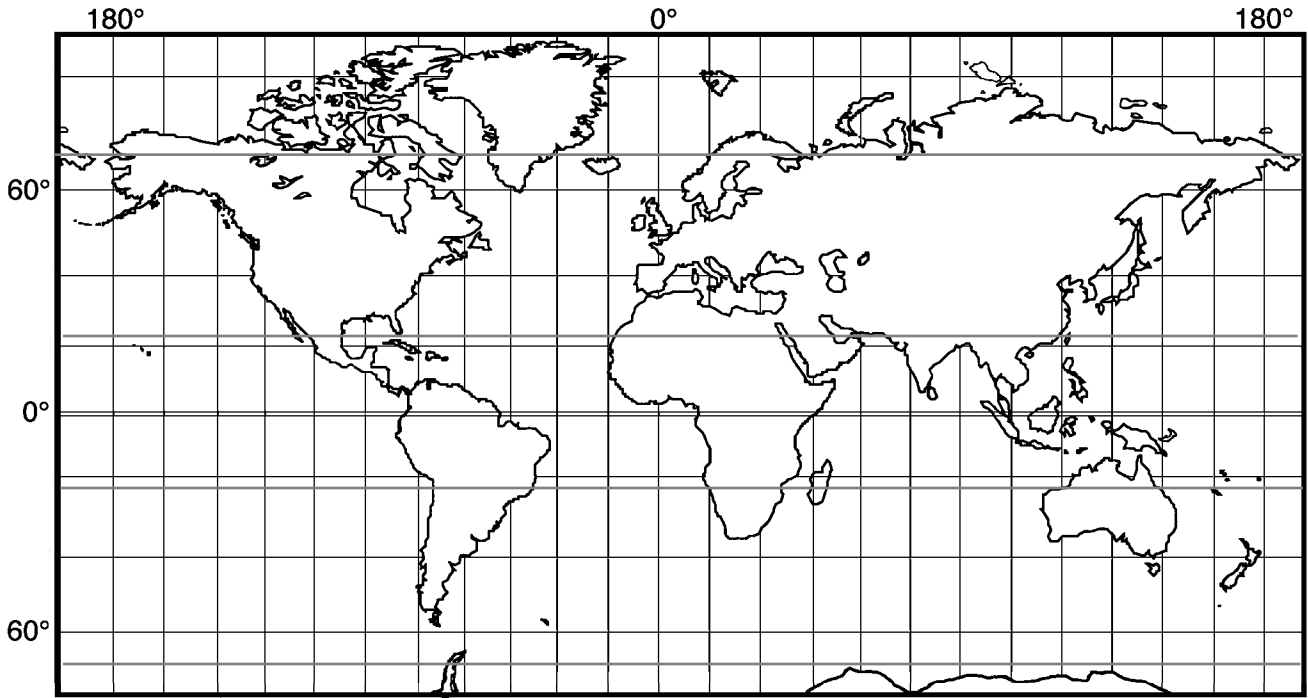


While memorization isn't really science, it certainly helps in science to know what you're working with. In this course, we work with planet Earth. How well do you know the features and coordinates of your home planet?
Date _____ Per. _____



1. Label the following coordinate features on our planet:

- | | |
|------------------------|-------------------------------|
| A. Equator | E. Antarctic Circle |
| B. Tropic of Cancer | F. Prime Meridian |
| C. Tropic of Capricorn | G. Line of 90° West Longitude |
| D. Arctic Circle | H. Line of 40° North Latitude |

2. On the same map, label the following geographic features:

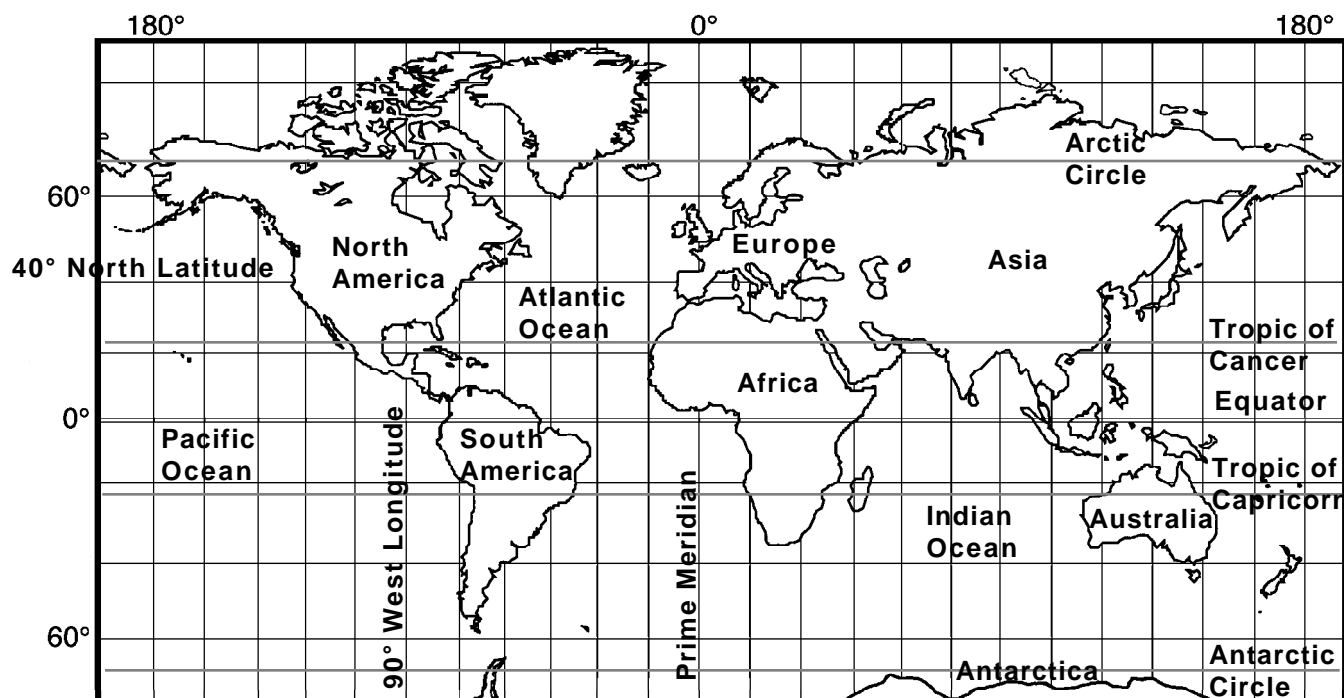
- | | |
|------------------|-------------------|
| A. North America | F. Europe |
| B. South America | G. Antarctica |
| C. Africa | H. Atlantic Ocean |
| D. Asia | I. Pacific Ocean |
| E. Australia | J. Indian Ocean |

3. Mark an "X" at the location of your community.

4. What is the difference between "latitude" and "latitude line?"

5. Why aren't the North and South Poles shown on this map?

Features of the Home Planet Key



3. The position of the “X” will vary from school to school.
4. Latitude is an angle. Specifically, it is the angle between your position on the Earth and the Equator. Latitude lines are lines that run around the Earth at a constant latitude (angle from the equator).
5. The map does not extend to the poles because distortion increases with latitude. If it went to 90° south, Antarctica would look larger than Asia.

Features of the Home Planet Tips

Difficulty: Easy

Content: Important

Preparations: None

Materials: Both a globe and a wall map of the world are useful.

Time: 15 - 20 minutes

- Suggestions for the Teacher:**
1. Most secondary classes can be given this paper as a homework assignment. Academically limited students will need more help.
 2. Keep in mind that memorizing these features is not really science. Understanding these features of maps helps us move into science.

Student Intro: Ask your students to look at this paper and tell you if they think they can do it without much help.

Post-Lab: None

Extensions: None