

Source: **Coral Forest Teacher's Guide.** Coral Forest, 400 Montgomery Street, Suite 1040, San Francisco, California 94104 Tel: (415)788-REEF FAX: (415)398-0385 e-mail: coral@igc.apc.org Used with permission.

23*. MAPPING THE REEFS

Objective: Students locate coral reefs on a world map.

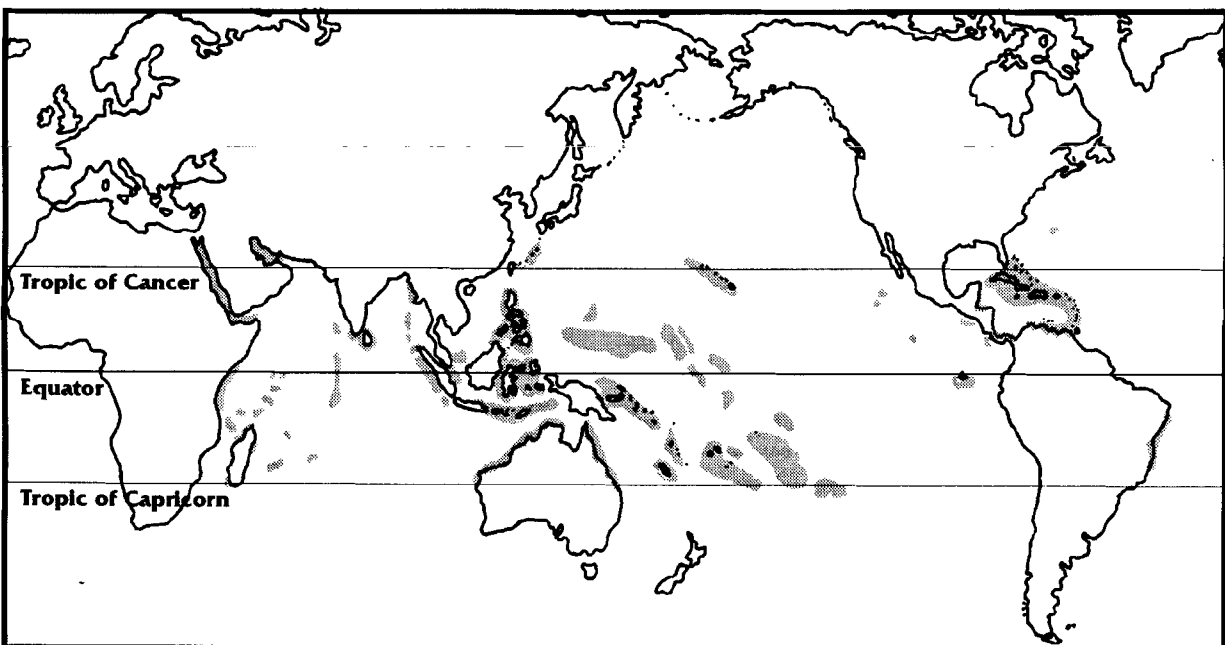
Interdisciplinary Index: Geography, Science

Vocabulary: longitude, latitude, equator, tropic of Cancer, tropic of Capricorn

Materials: a map of the world; copies of the **Coral Reefs of the World** map (below), the **Coral Reef Map** and the **Geography Map Key** (one of each for every group of two students); two copies of the list of **Geography Clues**; thin colored markers (ink pens may be substituted)

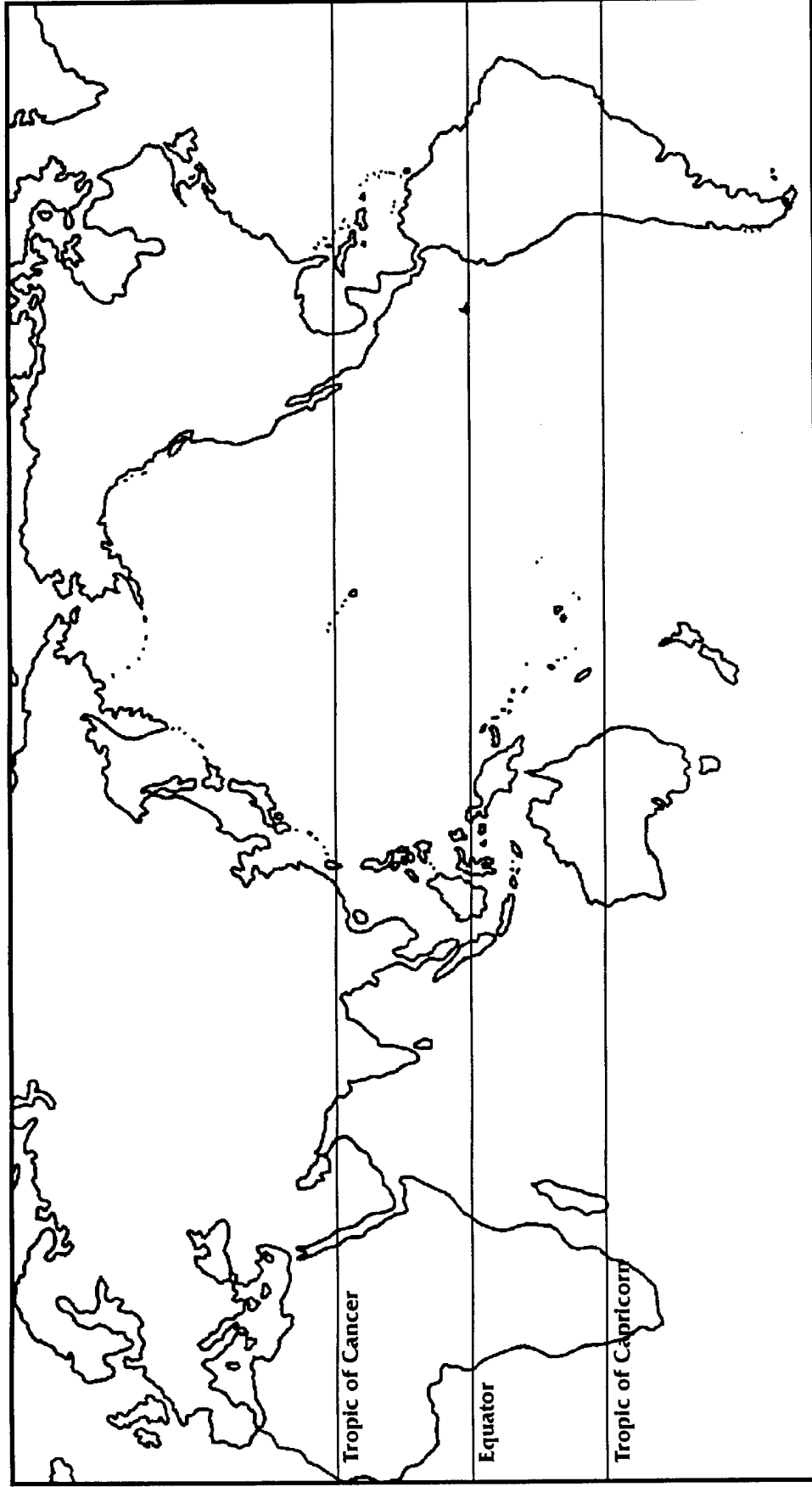
Presentation:

1. Before class, cut the two copies of the **Geography clues** sheet into strips with one clue per strip.
2. Divide the class into groups of two.
3. Hand out a copy of the **Coral Reefs of the World** map, a **Coral Reef Map**, and a **Geography Map Key**, one for every two students. Hand out one clue strip per group.
4. Referring to the **Coral Reefs of the World** map, students should mark the location of coral reefs around the world using a colored marker. Referring to the world map, students then need to answer the geography clues and mark their location on the **Coral Reef Map** with the clue number.
5. Then they should record the name of the location on the **Geography Map Key**. The number of letters in the location will also serve as a clue.
6. After completing both of these steps for a clue, one member of the team should exchange the original clue for another clue. This process should be repeated until all thirteen clues have been used.
7. As each group completes the locating and recording section, have them work together (or separately) to complete the follow-up question.



Coral reefs of the world (*illustration: Wendy Weir*)

CORAL REEF MAP



GEOGRAPHY MAP KEY

1. _____ IS _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____

Follow up: Describe in general terms where these coral reefs are located.

GEOGRAPHY CLUES

Each of these locations has coral reefs.

1. Group of islands northeast of Cuba
2. Central American country bordering the Caribbean and Guatemala
3. Fifteen percent of the world's coral reefs are located in this sea
4. Large island off the eastern coast of Africa
5. Largest ocean in the world
6. Largest barrier reef in the world, located off the eastern coast of Australia
7. Island country south of Cuba
8. Central American country adjacent to South America
9. United States peninsula state
10. United States island state
11. Collection of many islands located in the South China Sea
12. Body of water between Africa and Asia
13. A group of islands in the Pacific where Kwajalein, the world's largest atoll, is located

Correlation to National Standards from McREL (<http://www.mcrel.org>) :

Geography

1. Understands the characteristics and uses of maps, globes, and other geographic tools and technologies
8. Understands the characteristics of ecosystems on Earth's surface