# Antarctica and the Arctic

Lesson: The World's Polar Regions

| - | <br>  | _ | - |
|---|-------|---|---|
| • | <br>ж | - |   |
|   |       |   |   |

| 0  | NS |   |  |                       |                |  |  |  |  |
|----|----|---|--|-----------------------|----------------|--|--|--|--|
| 1. |    | se the Lan<br>Iswer.  | Land Cover Map on page 104 to answer the following questions. Circle the correct   |                       |                |  |  |  |  |
|    | a. | What is the land cover for almost all of Greenland?                 |  |                       |                |  |  |  |  |
|    |    | tundra  |  | glacier               | grassland      |  |  |  |  |
|    | b. | What is the land cover for most of Asia north of the Arctic Circle? |  |                       |                |  |  |  |  |
|    |    | tundra  |  | glacier               | cropland       |  |  |  |  |
|    | c. | What is   | the land cover for most of Europe between 60°N and the Arctic Circle?  |                       |                |  |  |  |  |
|    |    | needlelea   | af forest  | broadleaf forest      | tundra         |  |  |  |  |
|    | d. | What is t   | at is the land cover for most of the United States north of the Arctic Circle?   |                       |                |  |  |  |  |
|    |    | needlelea   | af forest  | tundra                | glacier        |  |  |  |  |
| 2. | Us | e Focus or  | e Focus on the Frozen North on page 104 to complete the following sentences.   |                       |                |  |  |  |  |
|    |    | Permafrost is   |  |                       |                |  |  |  |  |
|    | b. | . In the summer, seasonal permafrost becomes                        |  |                       |                |  |  |  |  |
|    |    |   | Some northern Canadian hunters protect themselves against the Arctic Cold by wearing   |                       |                |  |  |  |  |
|    | d. | Most of t   | fost of the land north of the Arctic Circle is permafrost.   |                       |                |  |  |  |  |
|    |    |   | Most of Alaska between 60°N and the Arctic Circle is permafros   |                       |                |  |  |  |  |
|    | f. | Canada h  | nada has continuous and scattered permafrost.  |                       |                |  |  |  |  |
|    | g. | Iceland h   | as   | continuous or scatter | ed permafrost. |  |  |  |  |
| 3  | GE | OGRAPH  | iY   |                       |                |  |  |  |  |
| 3. |    |   | the Arctic Land Cover Map to rank the following places in order of distance from the h Pole, with 1 being the closest and 5 the farthest away. |                       |                |  |  |  |  |
|    | a. |   | New Siberian Island  |                       |                |  |  |  |  |
|    | b. |   | Moscow, Russia   |                       |                |  |  |  |  |
|    | c. |   | Edmonton, Canada   |                       |                |  |  |  |  |
|    | d. |   | Svalbard   |                       |                |  |  |  |  |
|    | e. |   | Helsinki, Finland  |                       |                |  |  |  |  |



#### PLACE

4. Use Focus on the Cold Continent on page 105 to complete the following sentences. Underline the correct phrase.

a. Antarctica is covered by

51% ice and snow.

98% ice and snow.

b. The only animals that live in Antarctica's harsh interior

are penguins.

are insects.

c. Antarctica's ice cap holds

70% of the world's fresh water.

85% of the world's fresh water.

d. Antarctica is

less than 5 million square miles.

more than 5 million square miles.

e. The 48 states are

larger than Antarctica.

smaller than Antarctica.

f. The ice cap on the Polar Plateau is up to

two and a half miles thick.

five miles thick.

g. The Weddell Sea lies between Queen Maud Land and

the Polar Plateau.

the Antarctic Peninsula.

## LOCATION

5. Use the Land Cover Map on page 105 to complete the table below.

| Travel                                 | Direction |
|--|-----------|
| Mt. Erebus to South Pole               |           |
| Mac. Robertson Land to South Pole      |           |
| Mac. Robertson Land to Queen Maud Land |           |

6. Use the Antarctica Land Cover Map to match the research stations below with their sponsoring countries.

#### Research Station

- a. Maitri •
- b. Syowa •
- c. SANAE IV •
- d. Vostok •
- e. Amundsen-Scott •

### **Sponsoring Country**

- Russia
- United States
- Japan
- India
- · South Africa

