Before Reading
1. You might begin discussion by asking students: When news of Dolly, the cloned sheep, broke in 1997, what was your reaction? How do you feel about the possibility of human cloning? Are your views most influenced by religious beliefs, moral considerations, scientific concerns or other factors?

2. What does it mean to be “human”? Discuss as a class.

3. What is genetic engineering? How does it relate to human cloning? What are some of the pros and cons of each?

Comprehension and Analysis
1. What questions does this week’s cover image raise? What reactions does the cover elicit?

2. Write a short story or play about a human clone.

3. What is genetic engineering? How does it relate to human cloning? What are some of the pros and cons of each?

4. Divide the class into seven groups. Assign each group one of the following lenses through which to read the cover story: Randolph Wicker, the Dorners, Tanya Tomusyak, “Bill,” Christine De Shazo and Michele Thomas, Jack Barker and Louise Brown. Have each group report on issues raised by their scenario. How does each group define a human clone? What are the pros and cons raised in each of these case studies?

5. Re-read the article, highlighting all the quotations from people interviewed. Make a list to determine how many viewpoints are represented. Can you classify them as for and against human cloning? Is one side more heavily represented in the article? Are there other viewpoints you feel should have been included?

6. What is therapeutic cloning? What are the positive implications for medical research? What is stem-cell research? Would you be willing to participate in stem-cell research? What is your opinion on human cloning?

7. According to the article, the Catholic Church and Libertarians represent extreme opposing viewpoints on human cloning. Describe each.

8. What was Ian Wilmut’s goal in cloning Dolly the sheep? What is his position on human cloning? What related events occurred before news of Dolly’s existence was released?

9. What do the poll results on page 55 reveal about public opinion on cloning?

10. How have lawmakers responded to the prospect of human cloning? What laws, if any, on human cloning do you think Congress or state legislatures should enact? Why?

11. Now that you’ve read these varying perspectives, has your opinion on human cloning changed? What pieces of evidence presented in TIME’s article did you find most convincing? Make a list of the pros and cons of cloning yourself. Are you for or against human cloning? Why?

Application and Investigation
1. Stage a class debate on the following statement from the article: “Cloning is just another reproductive tool. The fact that it is not a perfect tool … should not mean it is outlawed all together.”

2. Write a short story or play about a human clone using a first- or third-person narrator.
USING DASHES AND HYPHENS

Most sentences rely upon the two most common forms of punctuation, the comma and the period, to help them clearly communicate the ideas they contain. But in reading War Over Arctic Oil on page 24, we noticed that writer Terry McCarthy made frequent use of the dash and the hyphen. Used correctly, dashes and hyphens help indicate important relationships between words or phrases and allow a writer to add emphasis and avoid confusion.

Use the following examples from McCarthy’s article on the “defining environmental battle of the Bush presidency” to learn how to use these punctuation marks effectively in your own writing.

---THE DASH---

1. Use a dash to set apart words within a sentence that interrupt the flow of thought, offer a contrast, provide a description or create a change in tone. Example: Five thousand men—and a few women—work here, pumping 1.3 million barrels a day down the trans-Alaska pipeline.

2. Use a dash between a series and the main part of the sentence. Example: “Our struggle,” says Peter, “is spiritual—about dignity, respect and the ways people relate to each other.”

3. Use a dash to set off words that provide an explanation or create a dramatic effect. Example: Akootchook’s daughter Susie also supports drilling but is concerned about the social impact of oil money—especially the availability of alcohol.

---THE HYPHEN---

Use a hyphen to connect two or more words that function as a unit to describe a noun. Example: The 94-man crew works and lives out of a mobile camp.

Correctly place dashes or hyphens in the sentences below.

1. “Some things you can’t get rid of like pipelines.”

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As you read Disney Is Revising Its Theme on page 40, look for and underline these words. Define each word using context clues to help you. Check your definition against a dictionary. Then answer the questions below.

1. When planning a vacation, are you likely to wish to visit an area of the country replete with theme parks? Why or why not?

2. At a theme park, would you seek out rides that gyrate? Why?

3. Do you predict that the opening of California Adventure will compel most people traveling through Southern California to visit Disney in Anaheim? Explain.

4. Describe a superlative outing, trip or vacation you have taken.

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WORDS OF THE WEEK

Featuring words from the Princeton Review Hit Parade, a compilation of the 250 words that appear most often on the SAT.

replete gyrations compelling superlatives

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**TIME WEEKLY QUIZ**

1. The Senate Republican expected to introduce a bill calling for oil exploration in the Arctic National Wildlife Refuge is: (p. 24)
   a. Olympia Snowe
   b. Frank Murkowski
   c. Susan Collins
   d. Bob Smith

2. A recent study has revealed that some heart bypass patients may suffer permanent damage to the: (p. 58)
   a. liver
   b. brain
   c. kidneys
   d. spleen

3. A Democratic fund raiser who may have played a key role in winning President Clinton’s pardon of tax cheat Marc Rich is: (p. 33)
   a. Beth Nolan
   b. Bruce Lindsey
   c. Beth Dozoretz
   d. Steven Spielberg

4. In animal cloning, the percentage of embryos that never implant or die off during gestation or soon after birth is: (p. 46)
   a. 24
   b. 48
   c. 73
   d. 98

5. The author of *Grammatron*, an online narrative using the techniques of cyberspace, is: (p. 68)
   a. Helen DeWitt
   b. Mark Amerika
   c. David Gordon Green
   d. Suzan-Lori Parks

6. The new California Adventure theme park is operated by: (p. 42)
   a. Universal Studios
   b. Cedar Fair
   c. Six Flags
   d. Disney

7. Israeli Prime Minister Ariel Sharon’s wishes to form a coalition government were set back with the announced resignation of: (p. 38)
   a. Avraham Berg
   b. Shimon Peres
   c. Benjamin Netanyahu
   d. Ehud Barak

8. Los Bros. Hernandez are creators of highly regarded: (p. 64)
   a. novels
   b. cds
   c. movies
   d. comics

9. A vital witness for the government in the trial of suspected bombers of U.S. embassies in Kenya and Tanzania is: (p. 36)
   a. Wadih El-Hage
   b. Jamal Ahmed Al-Fadl
   c. Mohammed Saddiq Odeh
   d. Khalfan Khamis Mohamed

10. According to Senator Tom Daschle, 43% of President Bush’s tax cuts would go to what percentage of Americans? (p. 30)
    a. 1
    b. 10
    c. 20
    d. 35

15. This novelist, who has battled depression to keep on with her writing, is: (p. 72)
    a. Maxine Hong Kingston
    b. Diana Chang
    c. Amy Tan
    d. Marilyn Chin

**INTERPRETING DIAGRAMS**

Review the diagrams that accompany the article *Hearts and Minds* beginning on page 58. Based on the information there, decide if the following statements are true or false. Place an X next to each true statement. Leave false or unsupported statements blank.

11. Blood vessels used in bypass operations are usually harvested from the hand or foot.

12. It is possible that clamping and unclamping the aorta during a bypass operation releases showers of harmful material into the bloodstream.

13. The heart-lung machine used in the bypass procedure may itself be a cause of problems for the patient.

14. During the bypass procedure, cannulas are inserted into the lungs to assist in breathing.
1. Describe the action taking place in each cartoon. What political leaders are depicted? What recent event in Israeli politics inspired these drawings?

2. How is Ariel Sharon portrayed in each cartoon?

3. To what extent is there consensus among the three cartoonists about Sharon’s role in the Middle East peace process?

4. Now read Israel Soldiers On on page 38. By what margin did Ariel Sharon defeat Ehud Barak to become Israel’s new Prime Minister?

5. What is a coalition government? How would the formation of a broad coalition government in Israel help Sharon rebut international concerns that he will kill or damage the peace process?

6. According to the writer, what is the “biggest battle” facing Sharon in the days ahead?

7. How do you think Sharon would respond to the three cartoons at left? Explain.