

I. Study the photographic composition on page 1 of your Readings Booklet and answer question 1.

1. The text creator suggests that “Dolly the sheep became the world’s most controversial animal” (line 1) because her creation was

- A. unexpected
- B. awe-inspiring
- C. unprecedented
- D. over-publicized

II. Read the essay from a magazine on pages 2 to 6 of your Readings Booklet and answer questions 2 to 9.

2. In the opening paragraph, the writer establishes a meaningful context for the reader in the statement “We humans were leaving little biological Post-Its of ourselves on everything we touched” (lines 8 to 10) through the use of

- A. paradox
- B. analogy
- C. hyperbole
- D. understatement

3. The details in the phrases “messaging about madly in God’s tool box” (line 20) and “isn’t as Frankensteinish as it might appear” (line 24) convey the writer’s

- A. uncertainty of the exactness of genetic research
- B. skepticism toward the practicality of genetic innovations
- C. inability to overcome irrational fears of advances in genetics
- D. reservations about the ethical issues surrounding genetic engineering

4. In lines 46 to 55, James Watson is characterized as being

- A. aloof
- B. idealistic
- C. meticulous
- D. opportunistic

5. The irony inherent in the fact that Michael Smith’s “findings were so freakish that the leading journal of his day refused to publish them” (lines 64 to 65) is revealed in his having

- A. received a Nobel prize for his work
- B. employed questionable research methods
- C. emigrated from Great Britain to Vancouver
- D. discovered how to alter gene sequences in his laboratory

Continued

6. Details in lines 75 to 78 suggest that the 1980s were characterized by

- A. conflicting viewpoints on the appropriateness of bioengineering
- B. periods of indecisiveness regarding the future of genetic research
- C. an atmosphere conducive to greater accuracy in scientific research
- D. an increase in the popularity of the theory of evolution among scientists

7. In the context of lines 84 to 87, the writer's comparison of humans to snowflakes illustrates that "No two of us are exactly alike" (line 85) as a result of differences in genetic makeup that are

- A. minute
- B. infinite
- C. obscure
- D. inconsequential

8. The idea that "Canadians have taken the leading role in identifying key disease genes" (lines 119 to 120) is **most strongly** reinforced through the use of the words

- A. "in the past three years" (line 116) and "among the first" (line 118)
- B. "our share of stars" (lines 116–117) and "one of the more far-reaching techniques" (line 119)
- C. "early-onset" (line 121) and "Edmonton protocol" (line 122)
- D. "gold standard" (line 122) and "in the vanguard" (lines 123–124)

9. Details in lines 130 to 152 suggest that "As revolutions go, DNA's blustery march" (line 130) has been characterized **mainly** by

- A. divergent methodologies used in laboratory experiments
- B. detrimental environmental consequences
- C. limited sources of financial support
- D. intermittent periods of success

Refer to readings I and II and answer questions 10 and 11.

10. Both Reading I and Reading II suggest that the controversy surrounding advances in genetic research has arisen **primarily** from concerns regarding the

- A. appropriateness of genetic engineering
- B. limitless potential of genetic engineering
- C. costs associated with genetic engineering
- D. prohibitive dangers of genetic engineering

11. In contrast to Reading II, Reading I is distinguished by its degree of

- A. abstraction
- B. exaggeration
- C. simplification
- D. overgeneralization

III. Read the commentary from a newspaper on pages 7 to 9 of your Readings Booklet and answer questions 12 to 17.

12. Lines 14 to 17 focus on the implications of the

- A. possible misuse of personal information
- B. ultimate accountability of individuals for their actions
- C. uncertainty underlying the decision to disclose personal preferences
- D. danger inherent in becoming involved in the private lives of other individuals

13. The writer suggests that “The answer to that most basic of questions—what is an athlete’s natural talent?—will be unclear” (lines 21 to 22) as a result of the introduction of

- A. “brain scans that map individuals’ unique brain functions” (line 9)
- B. “a vast array of biological and psychological data” (lines 14–15)
- C. “artificial drugs” (line 23)
- D. “genetic material” (line 24)

14. The writer suggests that “the internationalization of genetic research” (lines 47 to 48) will result in

- A. collaboration among nations in biotechnological research
- B. increased cooperation between European and Asian nations
- C. growing distrust between North American and European nations
- D. disagreements among nations over the morality of biotechnology

15. In lines 63 to 67, the writer states that, in the United States, issues surrounding biotechnology will **most likely** continue to be

- A. oversimplified and misunderstood
- B. contentious and unresolved
- C. ambiguous and unexplored
- D. obscure and insignificant

16. The writer suggests that “manifold difficulties in the patent protection of genetic discoveries in 2003” (lines 68 to 69) will be a result of

- A. government regulations
- B. bureaucratic decentralization
- C. the sheer volume of individual claims
- D. the conspicuous absence of legal precedents

17. In lines 81 to 85, the writer suggests that “bioterrorism” (line 81) is largely

- A. a foregone conclusion
- B. an implausible phenomenon
- C. a result of international competition
- D. an outcome of conflicting cultural values

IV. Examine the cartoon on page 10 of your Readings Booklet and answer question 18.

18. The cartoon’s message is reinforced through the cartoonist’s

- A. representation of the physical structure of DNA
- B. illustration of the significance of the discovery of DNA
- C. comparison of the differing viewpoints on genetic research
- D. exaggeration of the public’s willingness to participate in genetic research

Refer to readings I, II, III, and IV to answer questions 19 to 21.

19. Both Reading III and Reading IV raise concerns regarding the

- A. effectiveness of biotechnology in resolving global issues
- B. lack of comprehensive legislation to regulate bioengineering
- C. rapid pace at which research into biological science is proceeding
- D. questionable motives behind the actions of bioengineering corporations

20. Readings I, II, III, and IV centre on the

- A. controversial aspects of genetic research
- B. questionable reliability of genetic research
- C. impracticality of discoveries in biotechnology
- D. necessity of regulating advances in biotechnology

21. Readings I and IV make use of visual images in order to

- A. draw upon people's preconceived notions of moral propriety
- B. invite the viewer to consider issues surrounding scientific research
- C. capitalize upon people's tendency to accept the credibility of scientific research
- D. inform the viewer of the hazards of interfering with natural biological processes

V. Read the excerpt from *Flesh and Blood* and answer questions 22-31.

22. Constantine's impression of the cord being "the exact color and texture of righteous, doomed effort" (line 6) conveys a sense of

- A. futility
- B. remorse
- C. uniformity
- D. uncertainty

23. The paradoxical aspect of the family's existence on the vineyard is **best** demonstrated in the phrase

- A. "working in his father's garden and thinking about his own garden" (lines 1-2)
- B. "'working ourselves to death to keep ourselves alive'" (line 7)
- C. "wrapping the world up into an awkward parcel that would not submit or stay tied" (lines 9-10)
- D. "he had come to despise and respect them for their wild insistence" (line 12)

24. The description of the vines as having "a secret, tangled life, a slumbering will" (line 13) provides an image of Constantine's

- A. opinion of his brothers
- B. personal characteristics
- C. relationship with his mother
- D. curiosity regarding his father

25. The quotation "He could wait until harvest time and descend triumphantly" (line 25) reveals Constantine's

- A. passion for the vineyard
- B. illusion of his family's neediness
- C. motivation for growing a garden
- D. lack of concern for practical matters

Continued

26. The father's impact on Constantine's behaviour is **most strongly** revealed in the quotation

- A. "His father had a merciless eye that could find one bad straw in ten bales of good intentions" (lines 14–15)
- B. "he thought of his garden, hidden away in the glare of the hilltop sun, three square feet so useless to his father's tightly bound future that they were given over as a toy to Constantine" (lines 16–18)
- C. "He could walk through the autumn dusk to the house where his mother would be laying out supper for his father and brothers" (lines 26–28)
- D. "it would be impossible to steal handfuls of dirt from his father's garden" (lines 38–39)

27. Constantine's efforts to obtain water and soil for his garden demonstrate his

- A. superstition and cunning
- B. confidence and sympathy
- C. sophistication and certainty
- D. perseverance and conviction

28. The meaning of the word "fastidiously" (line 49) is

- A. quickly
- B. carefully
- C. roughly
- D. temporarily

29. The statement that provides an explanation for Constantine's quiet nature is

- A. "With his mouth full he made his way up the steep yard to the rocks" (lines 44–45)
- B. "They believed he was silent because his thoughts were simple" (lines 46–47)
- C. "Punishment waited everywhere" (lines 49–50)
- D. "Every evening he walked in his customary silence past whatever brothers might still be at work" (lines 50–51)

30. The mother's behaviour that **most strongly** influences Constantine's feelings toward her is conveyed in the quotation

- A. "From his mother's kitchen he had spirited dozens of seeds, the odd ones that stuck to the knife or fell on the floor no matter how carefully she checked herself for the sin of waste" (lines 21–23)
- B. "His mother and father and brothers would look at him, the runt, of whom so little was expected" (lines 29–30)
- C. "his mother, who forgot to look at him because her own life held too many troubles for her to watch" (lines 59–61)
- D. "He thought of her carrying food to his ravenous, shouting brothers" (line 61)

31. The main idea presented in this excerpt is most clearly captured in the quotation

- A. "it was he, Constantine, who would suffer if they weren't kept staked and orderly" (lines 13–14)
- B. "miracles were the result of diligence and blind faith" (lines 34–35)
- C. "It was wiser not to speak" (line 50)
- D. "He thought of how her face would look as he came through the door" (lines 61–62)